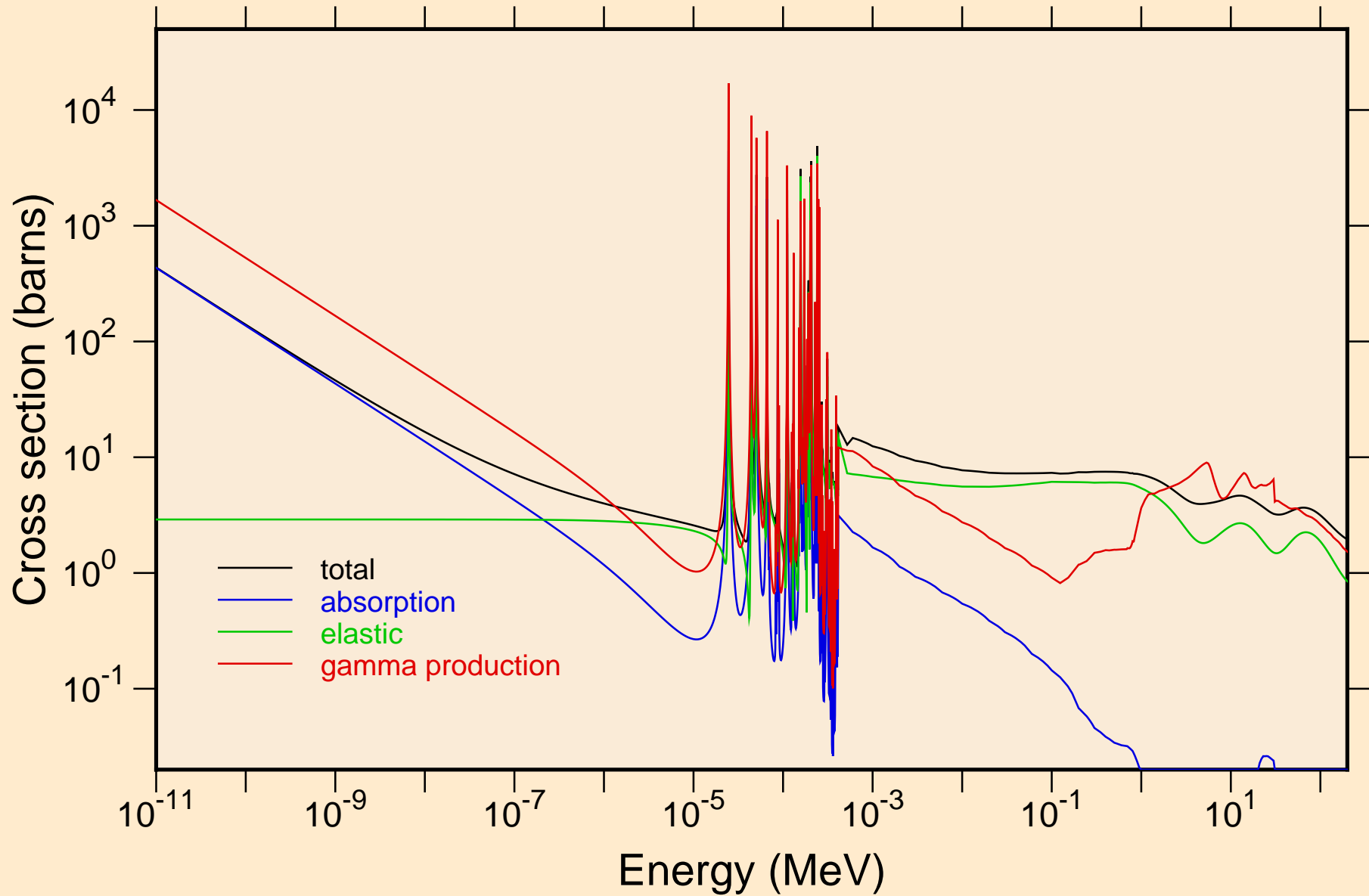
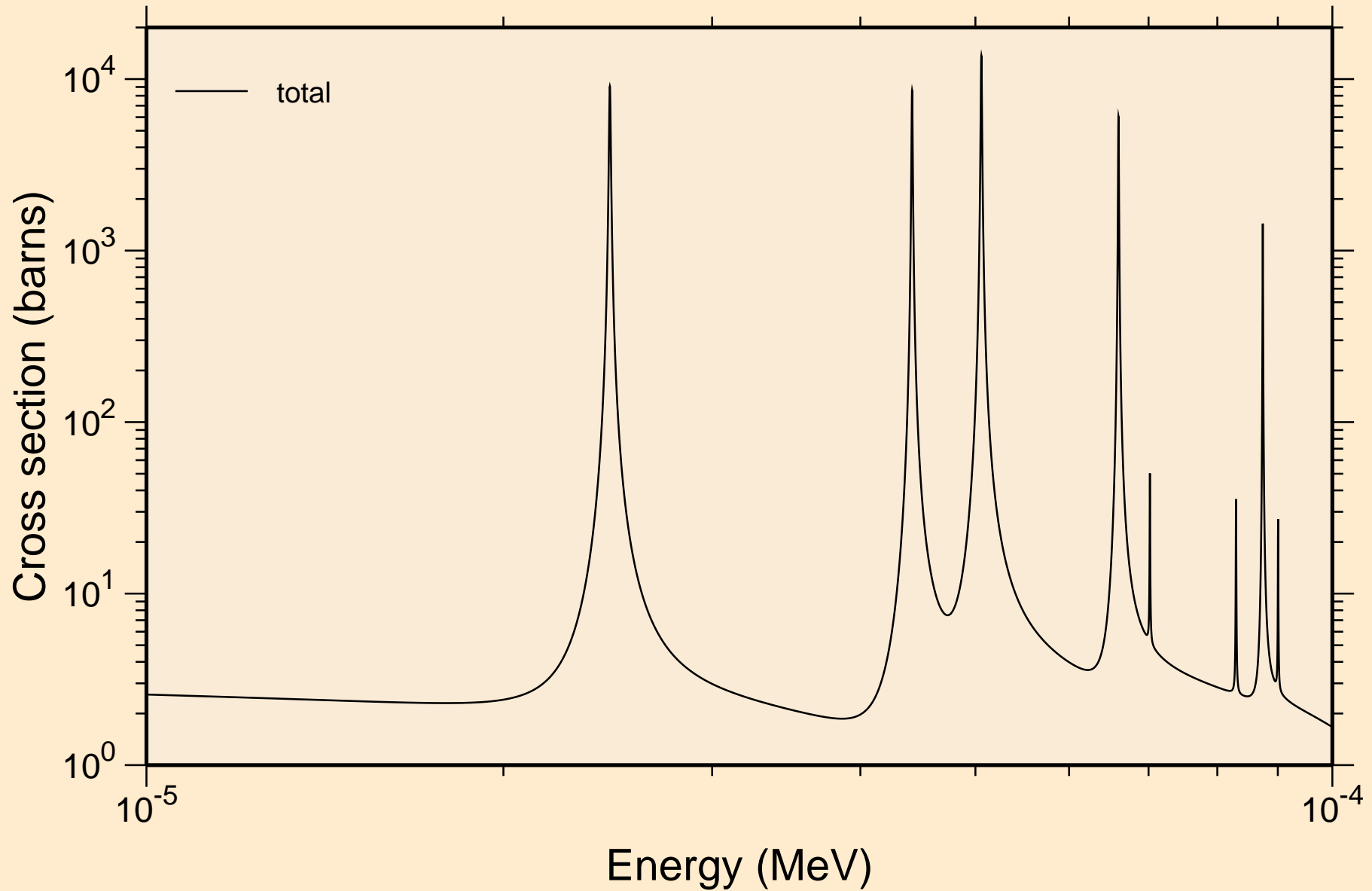


# AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

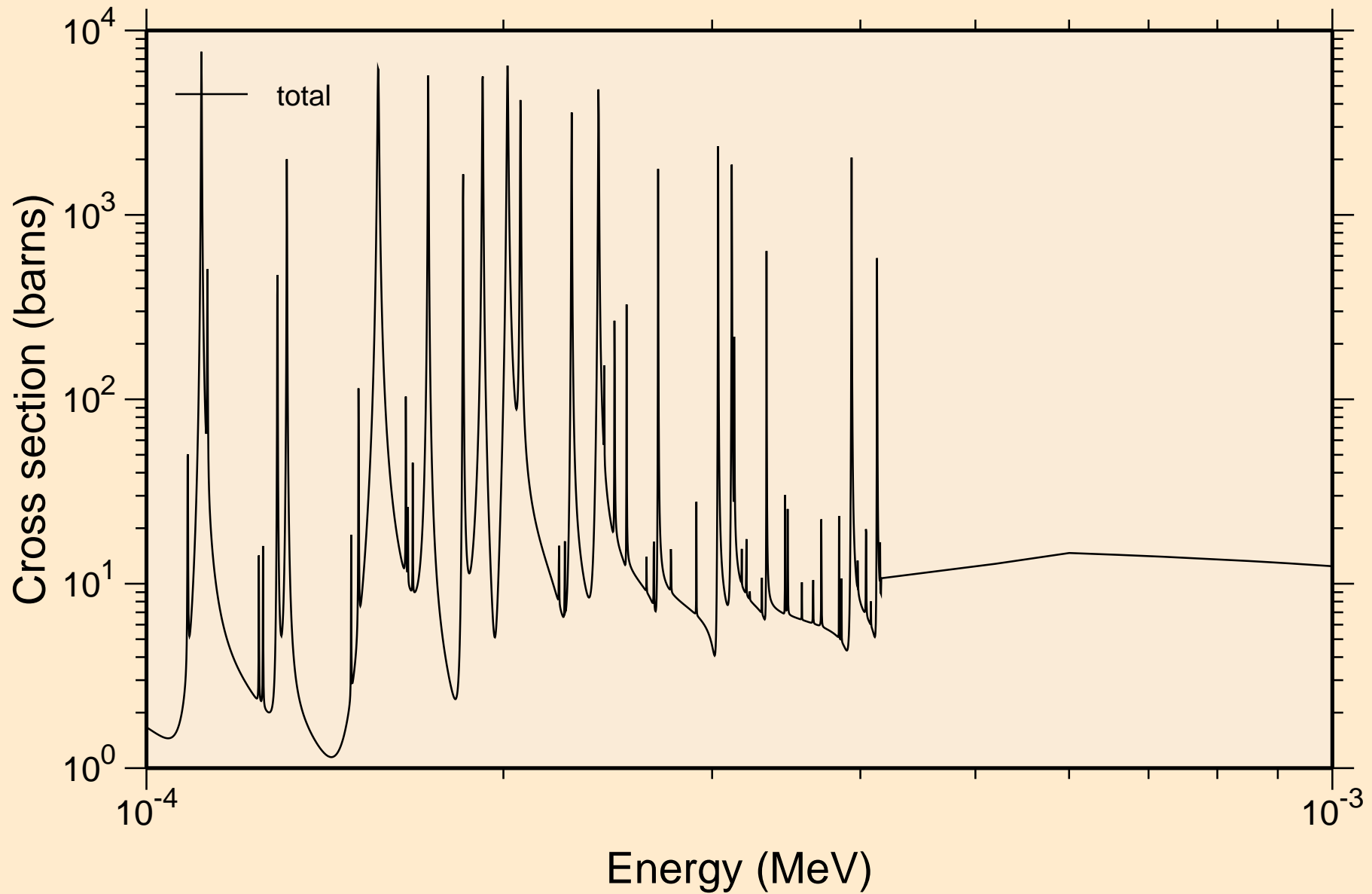
## Principal cross sections



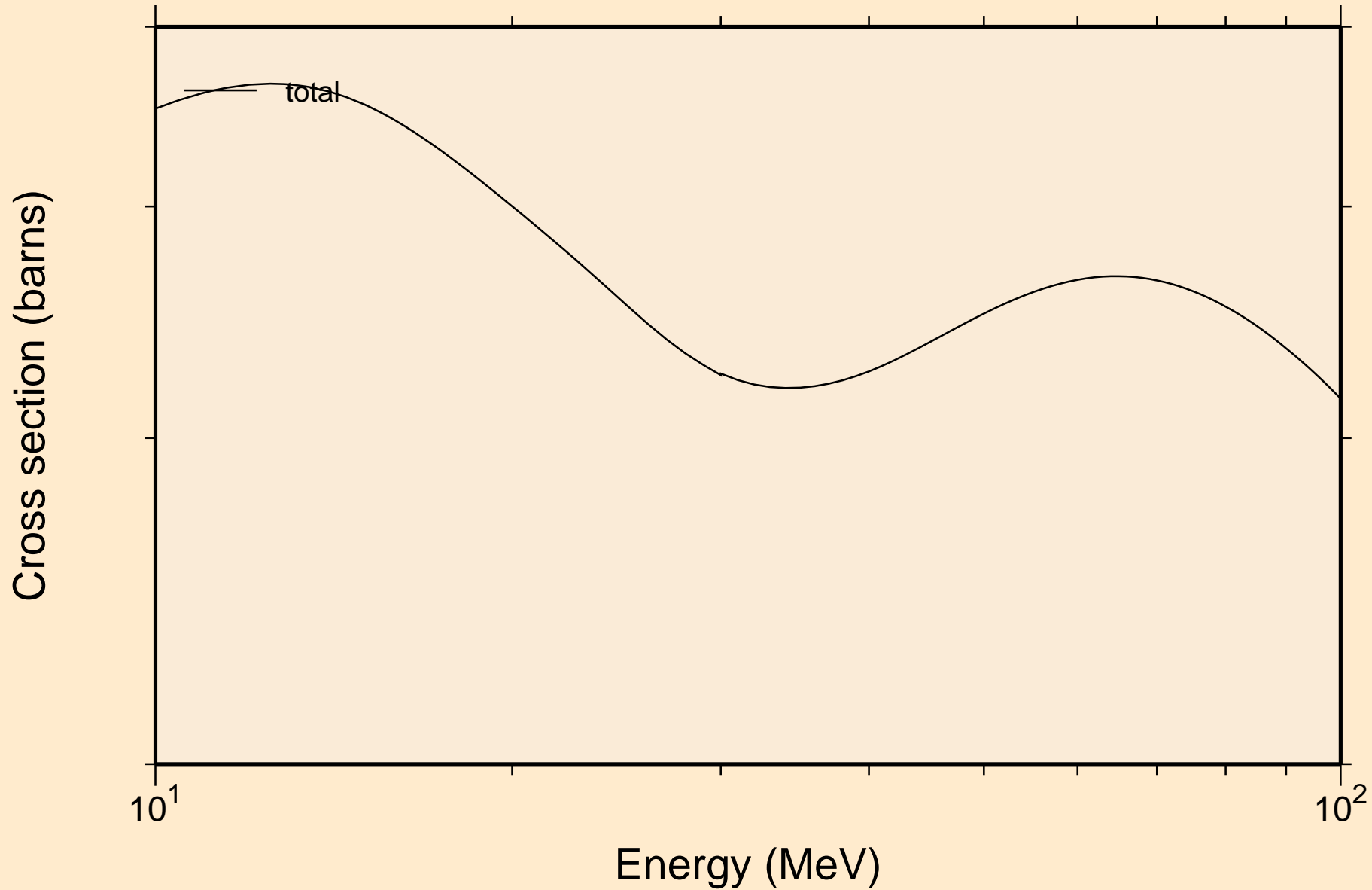
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



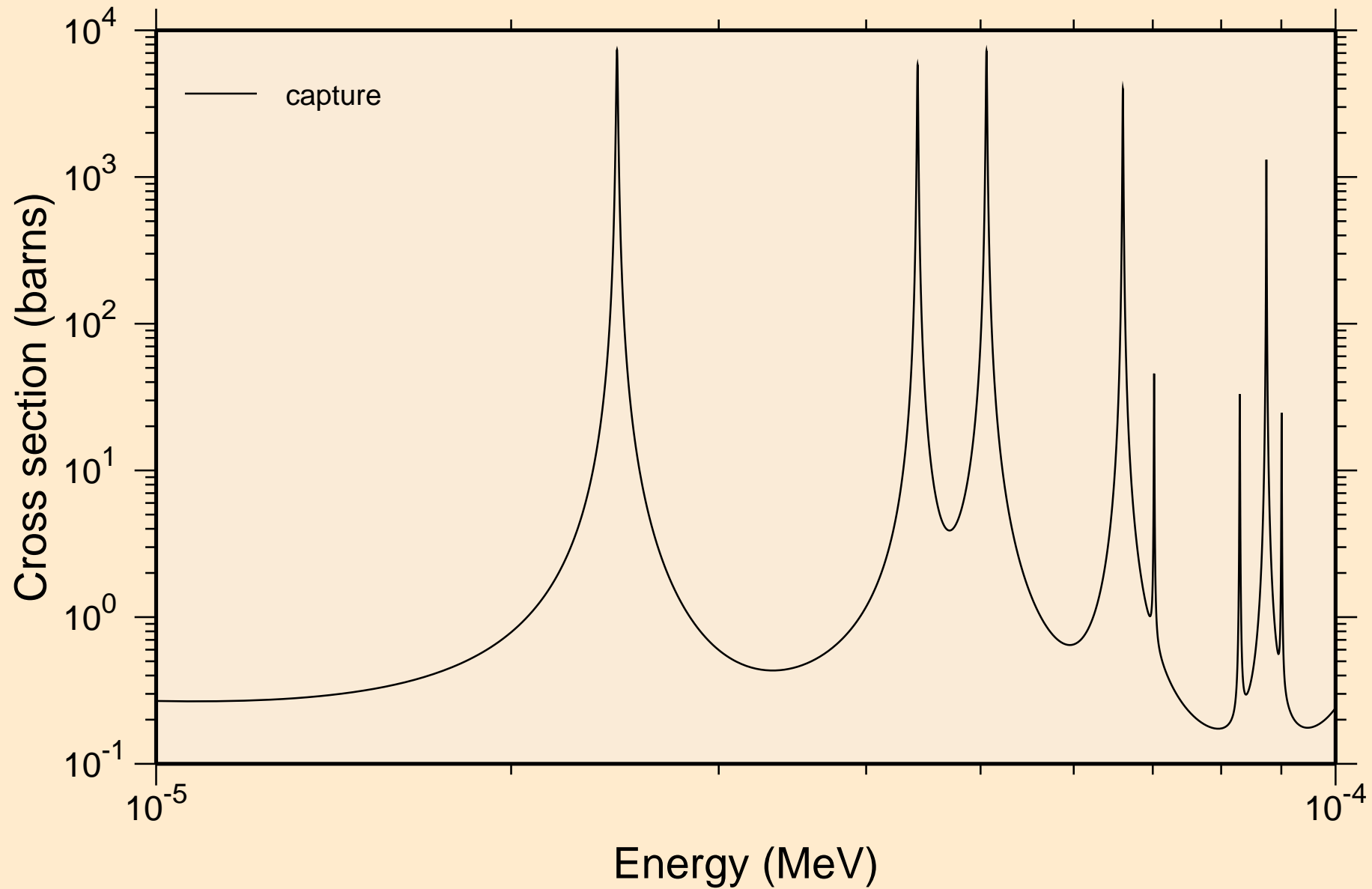
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



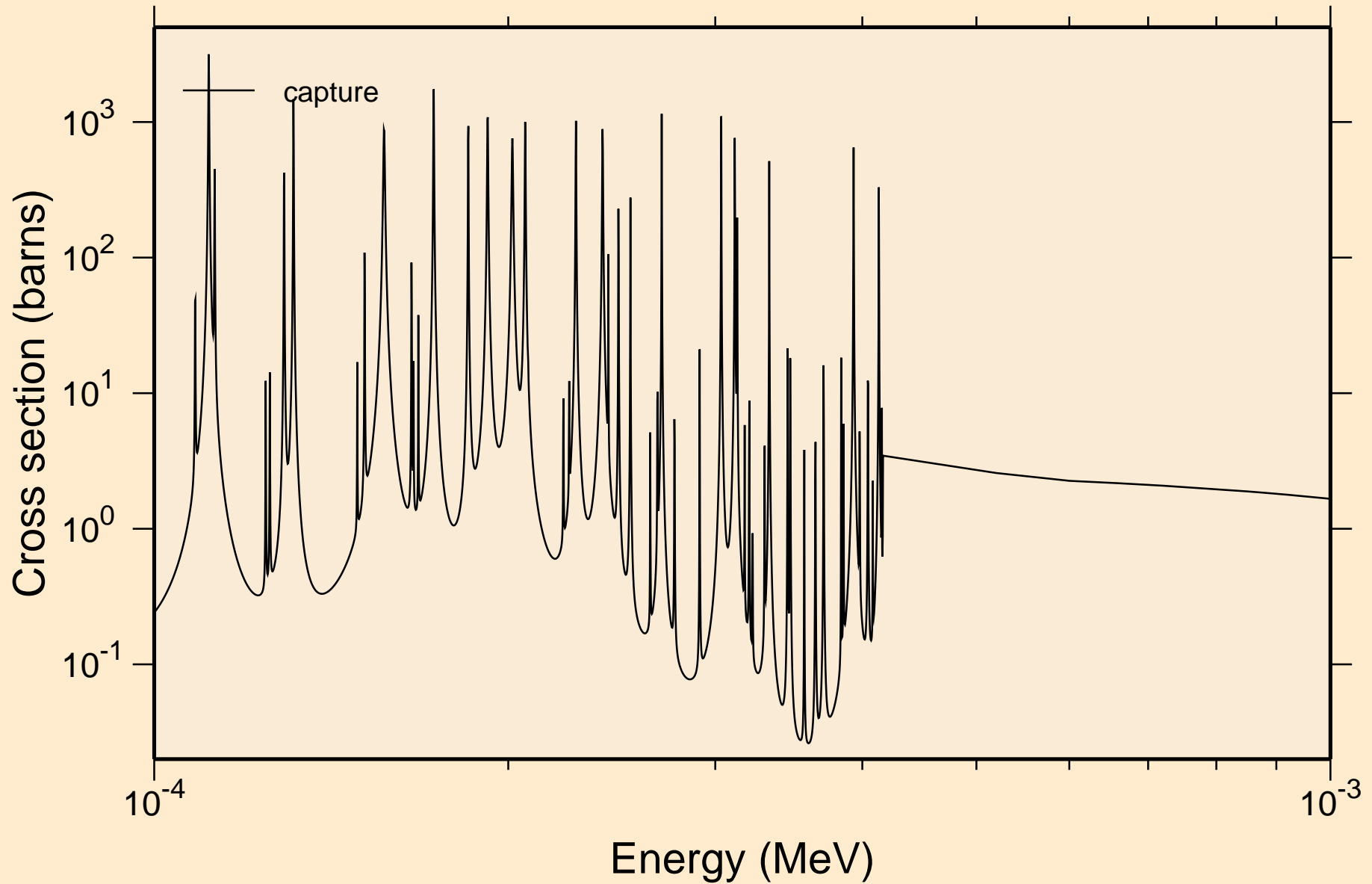
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



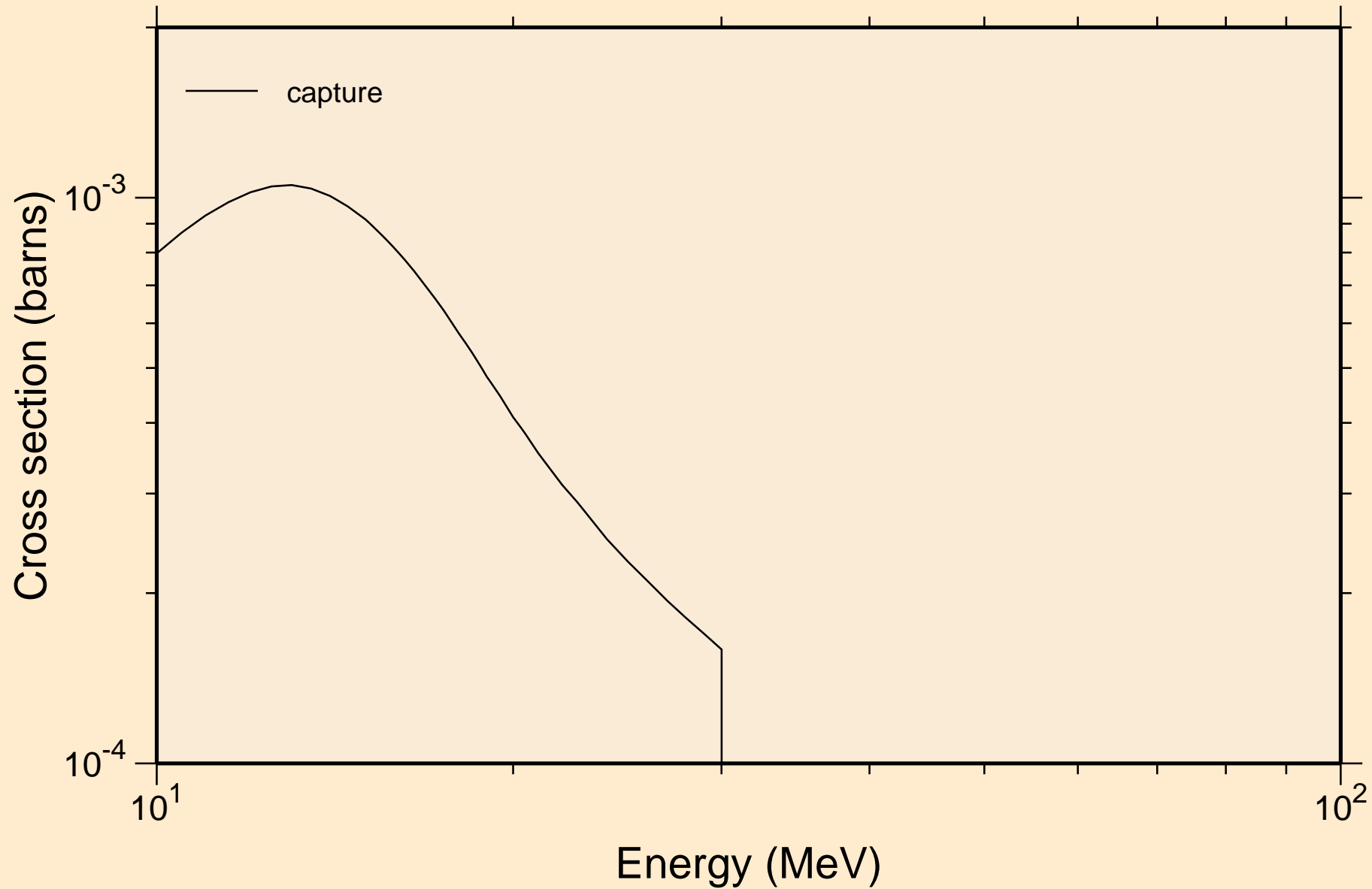
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



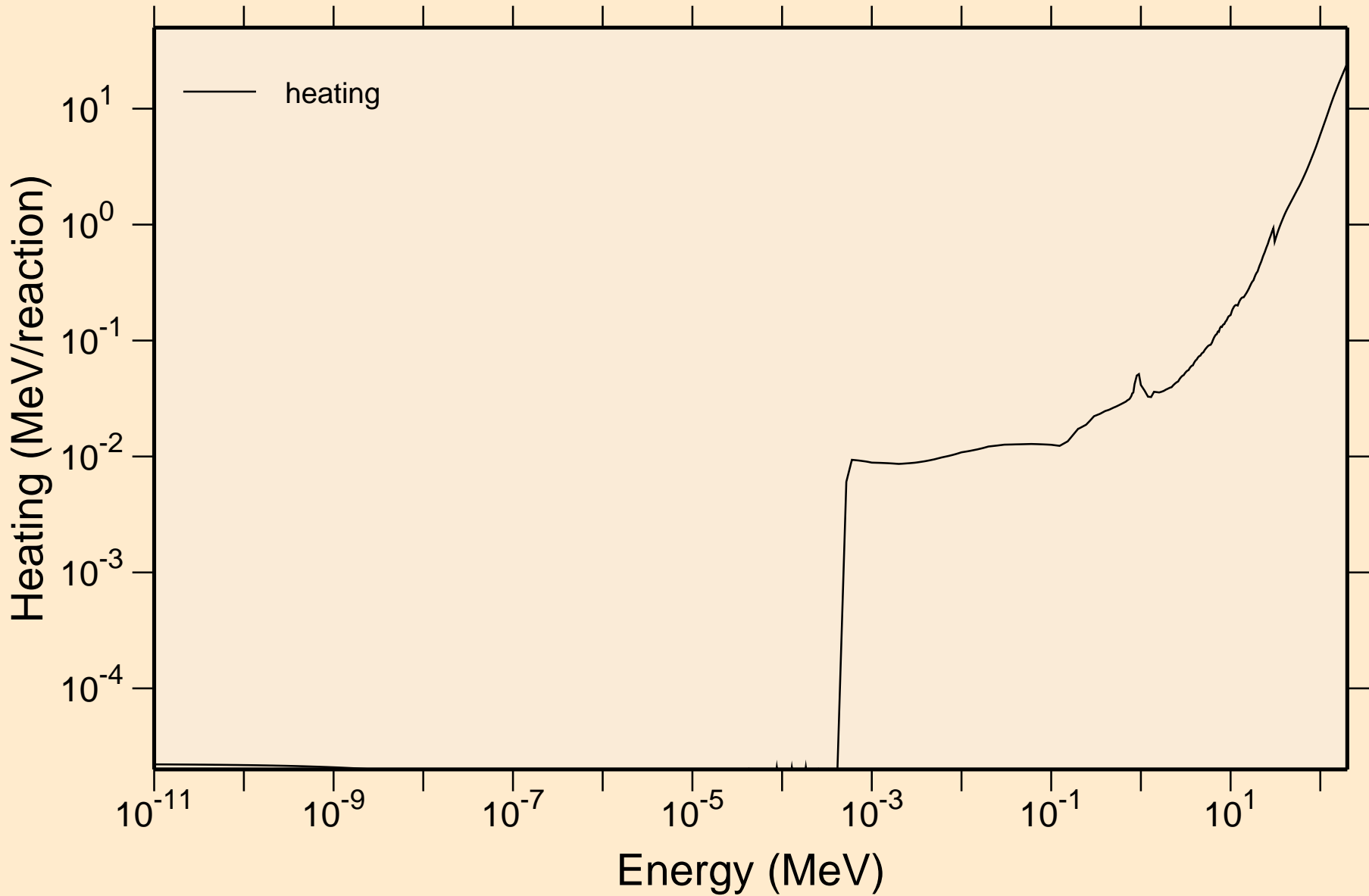
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



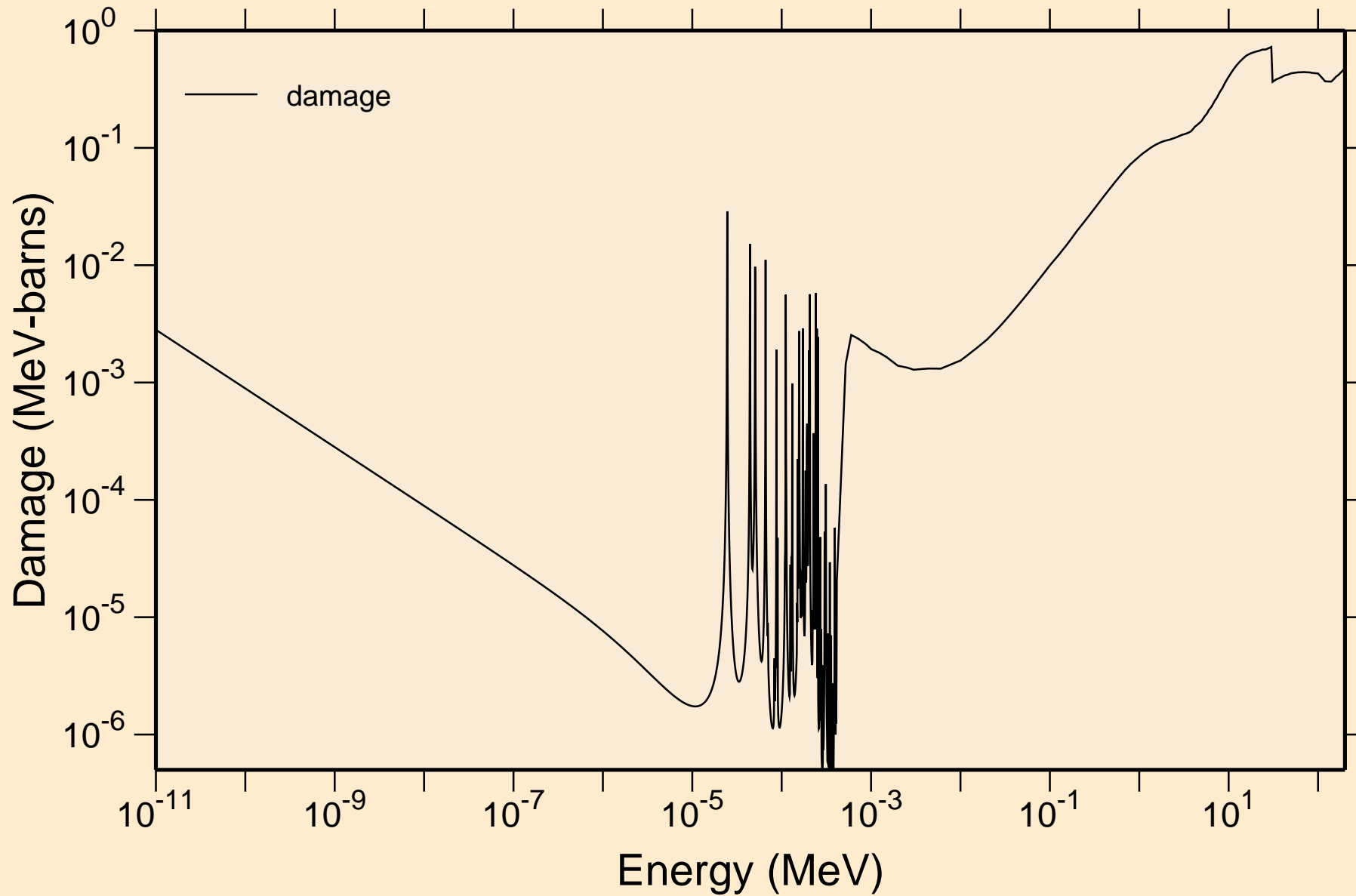
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating





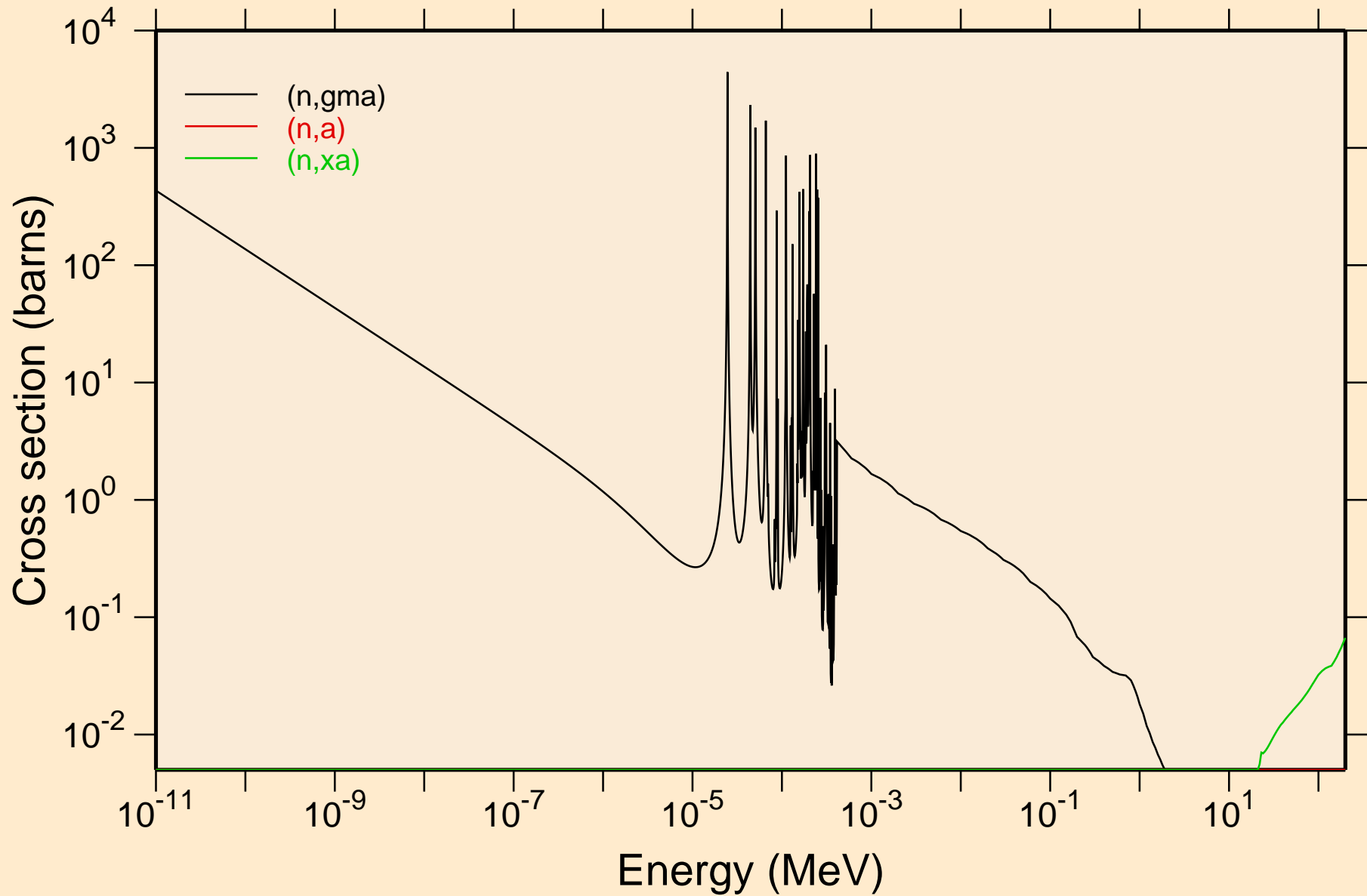
# AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



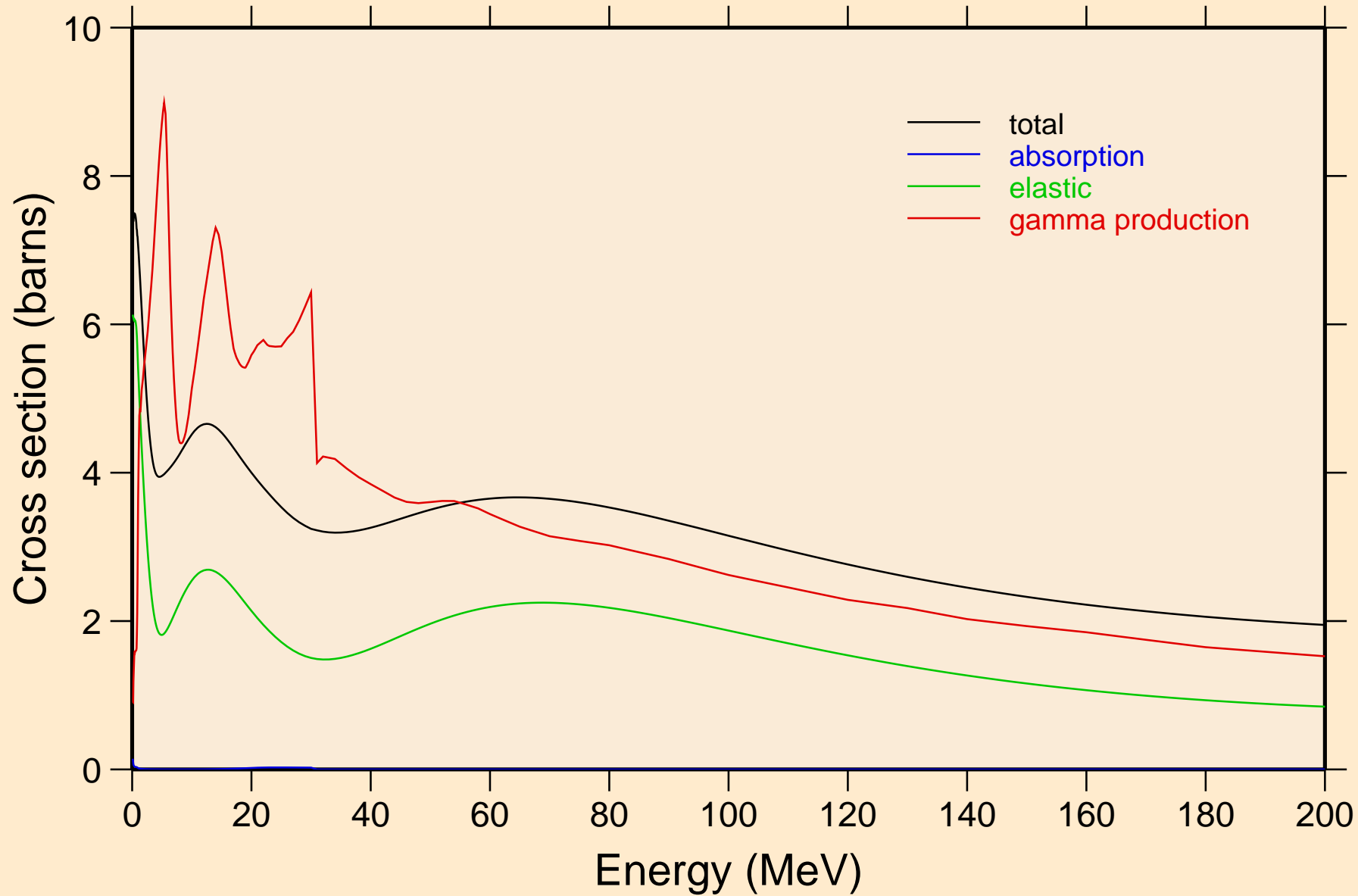
# AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



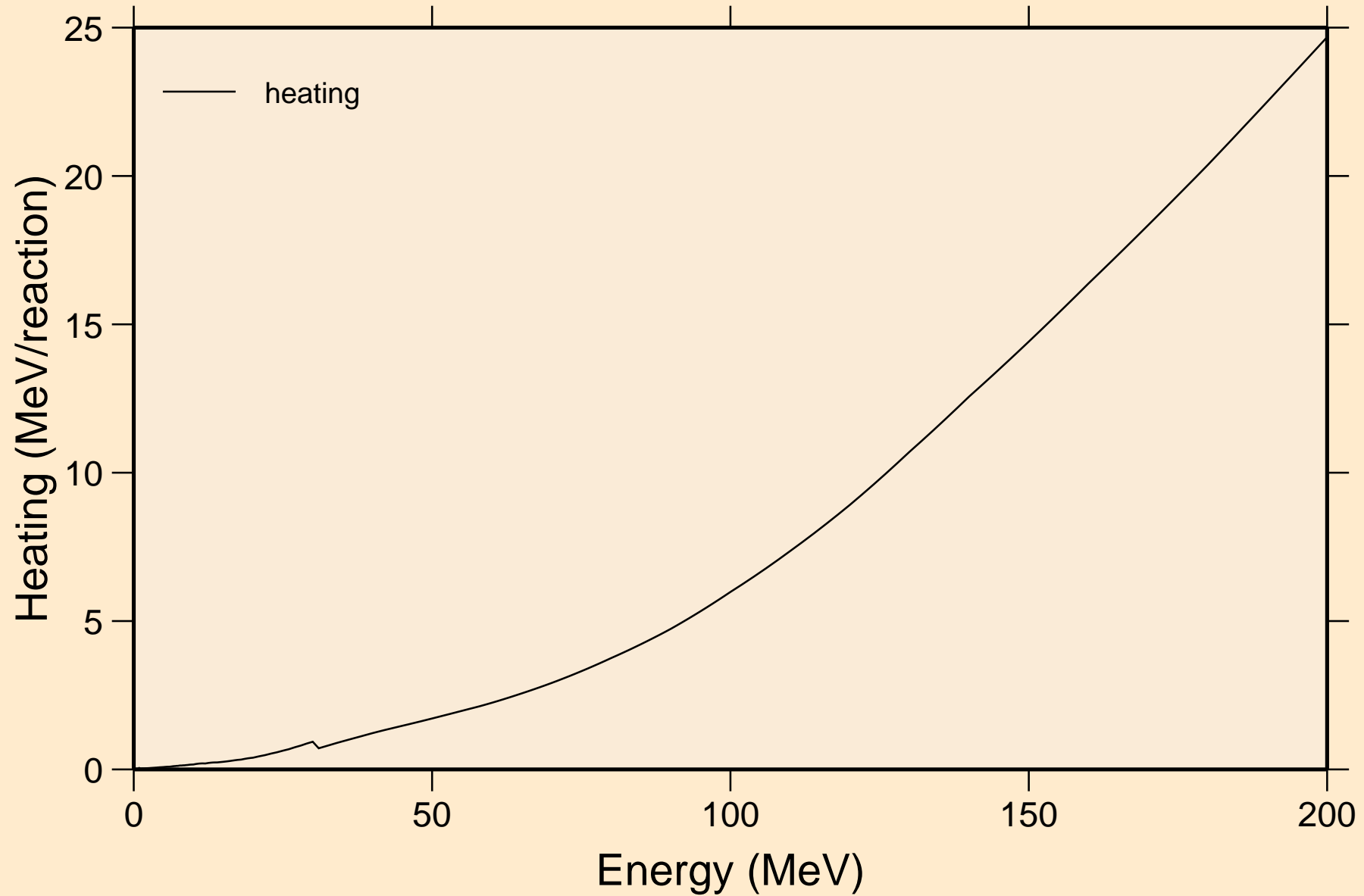
# AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

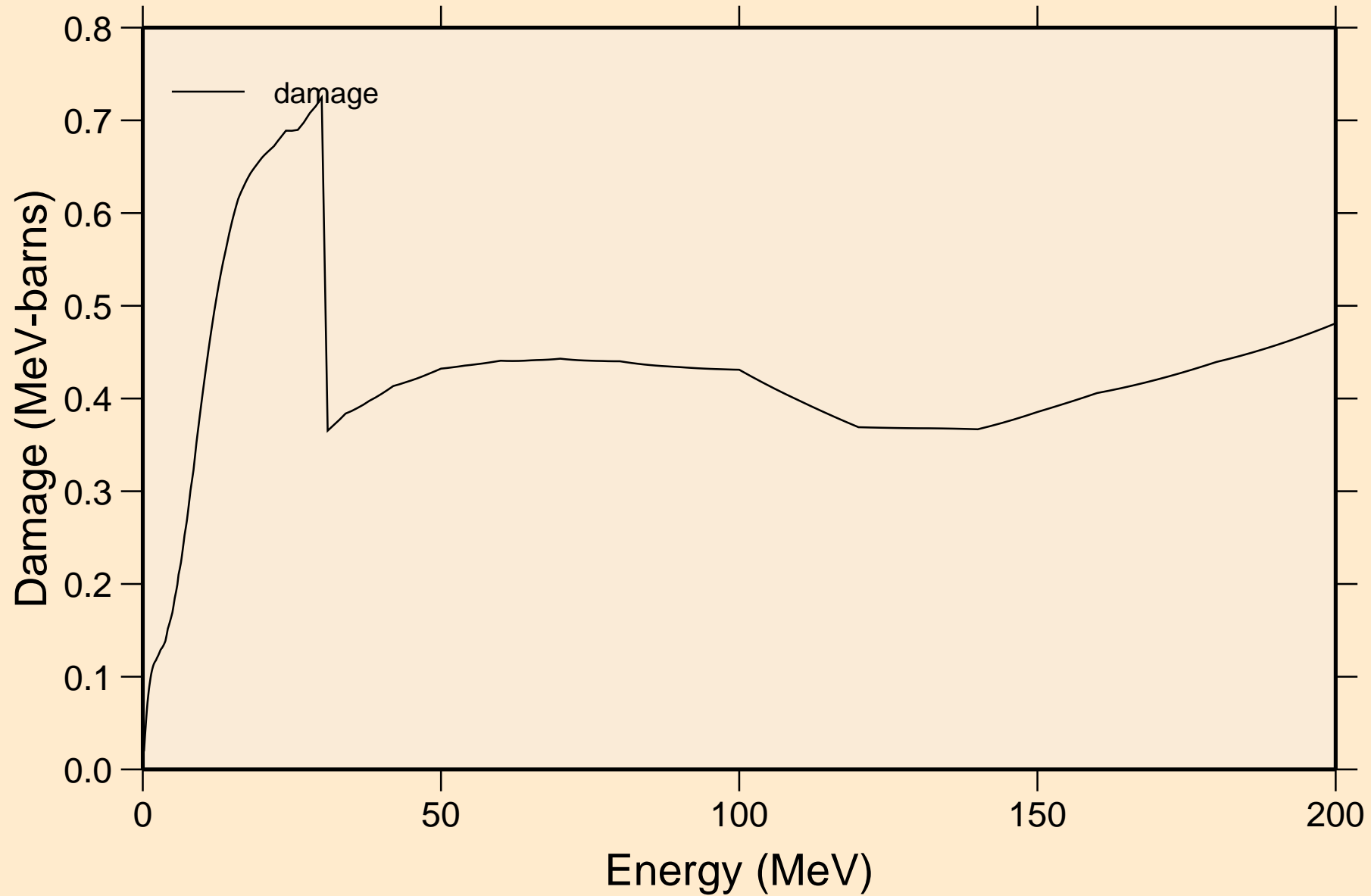


# AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

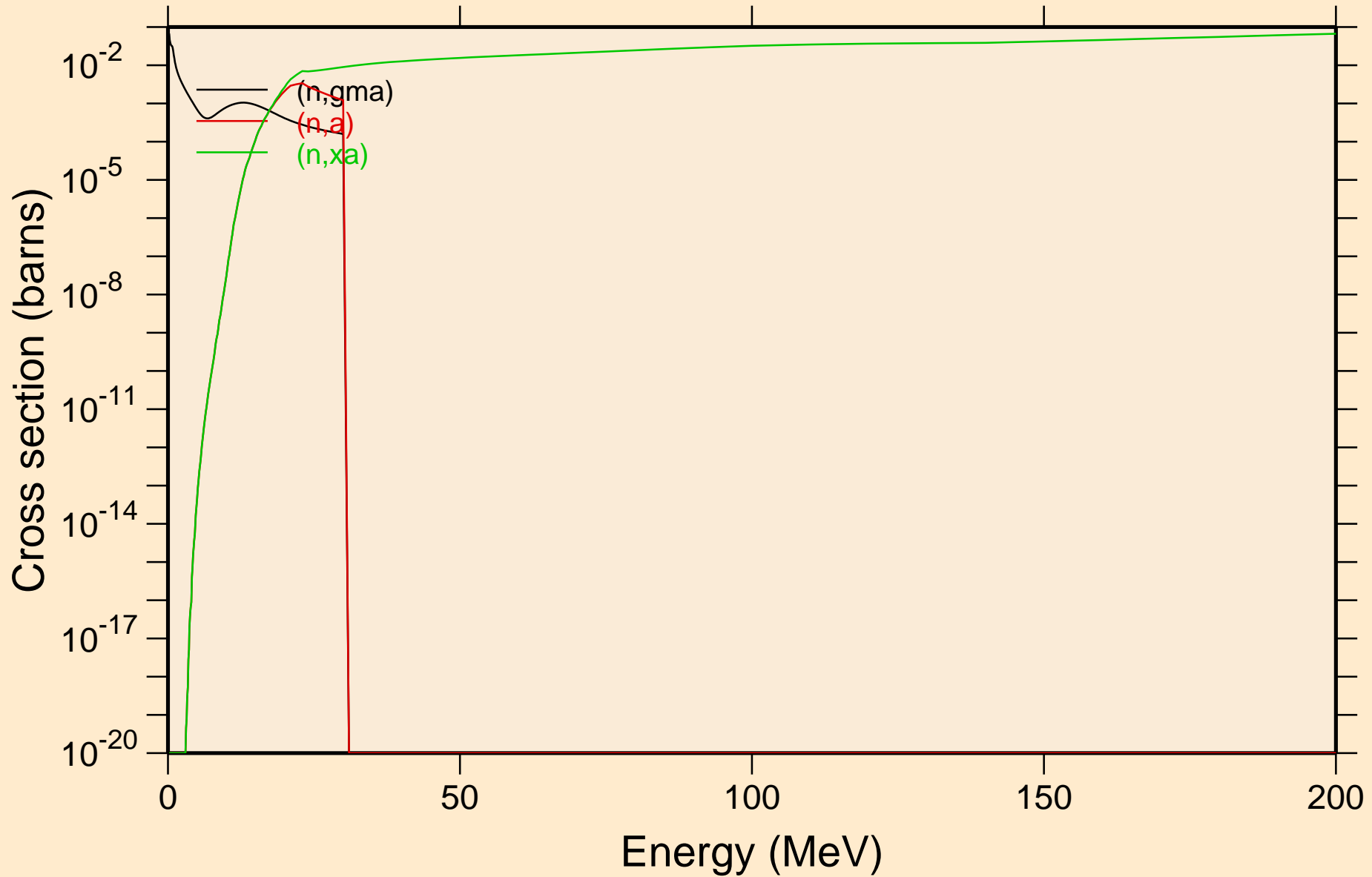
## Heating



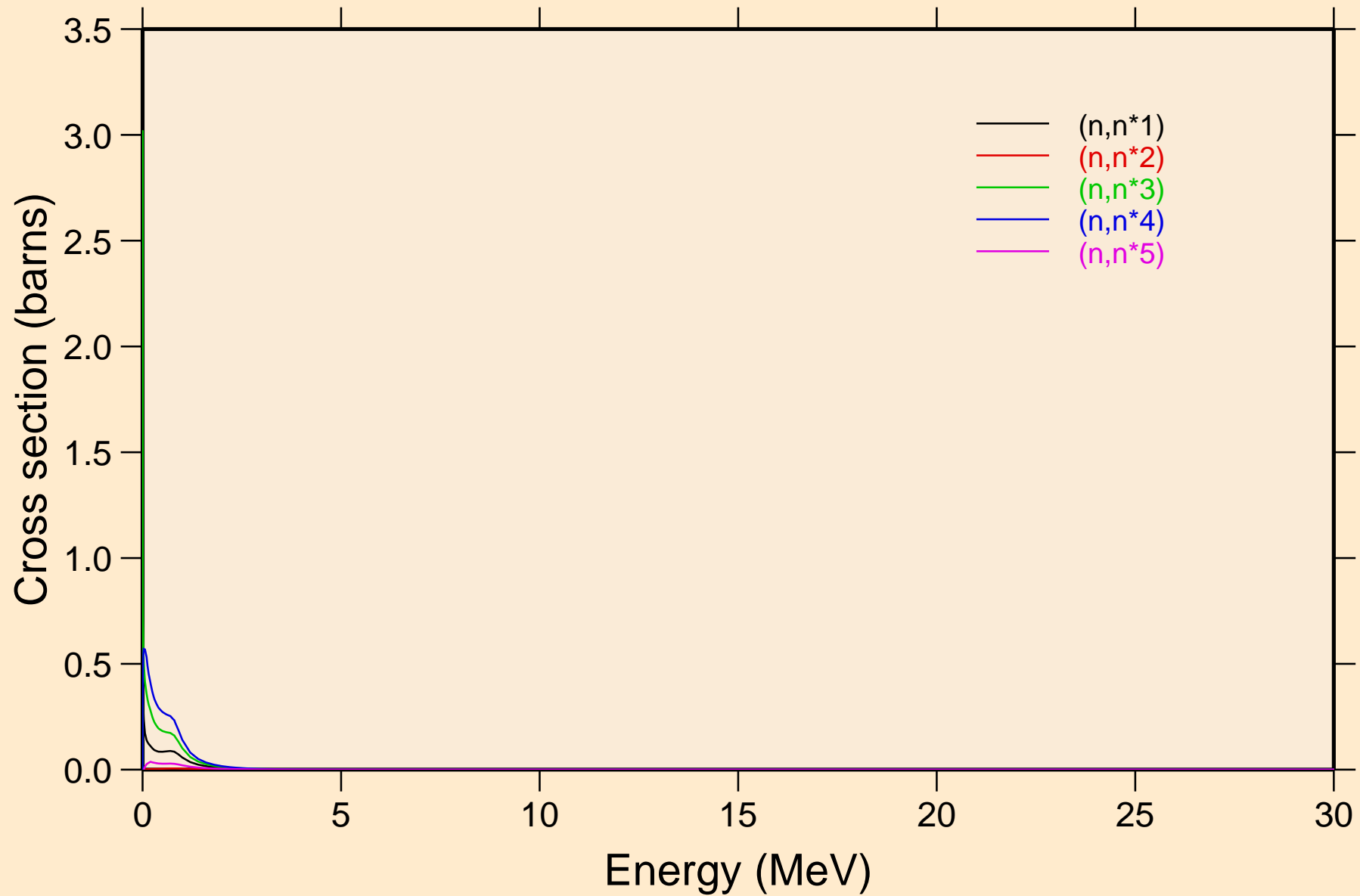
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage



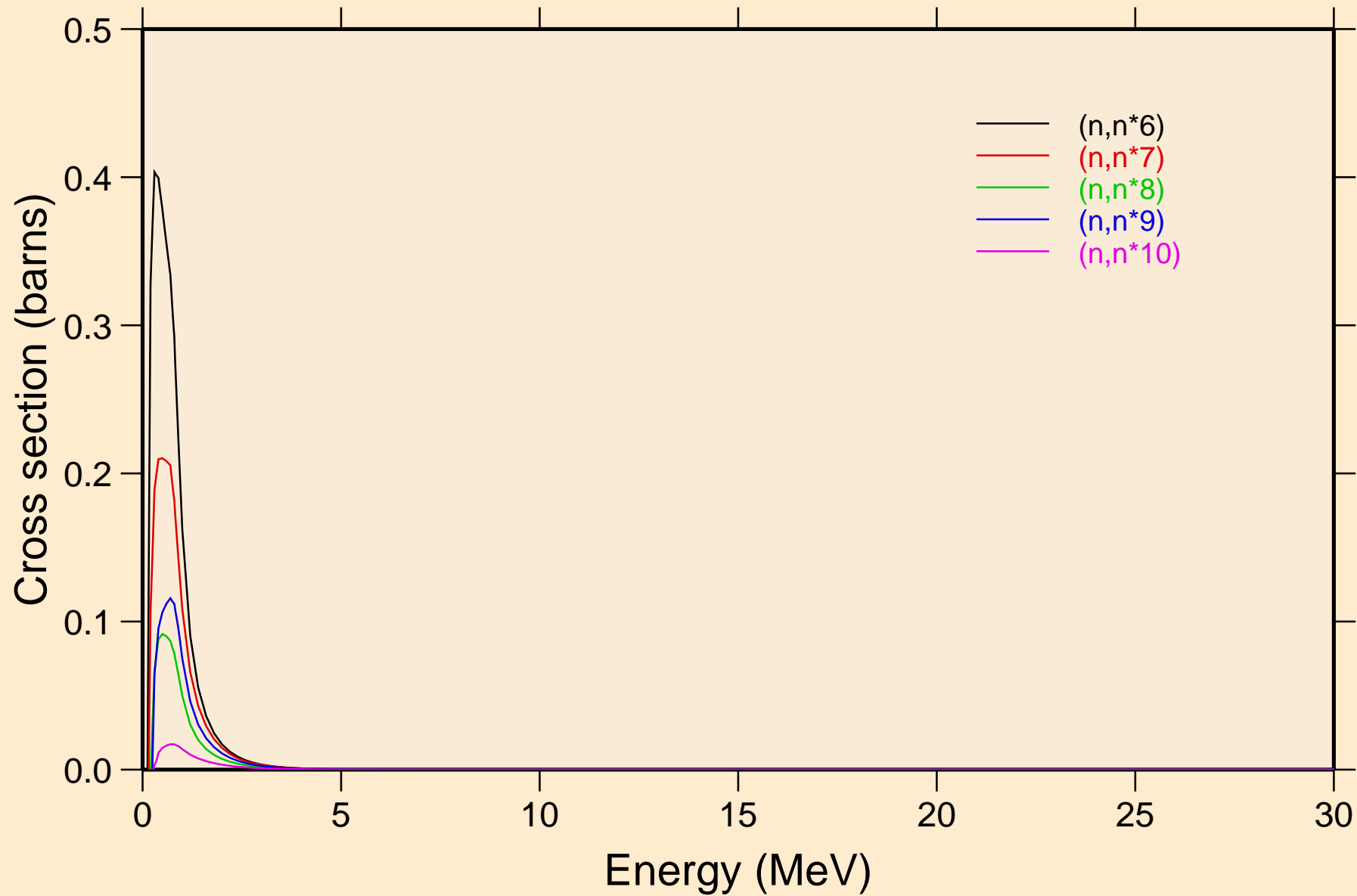
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

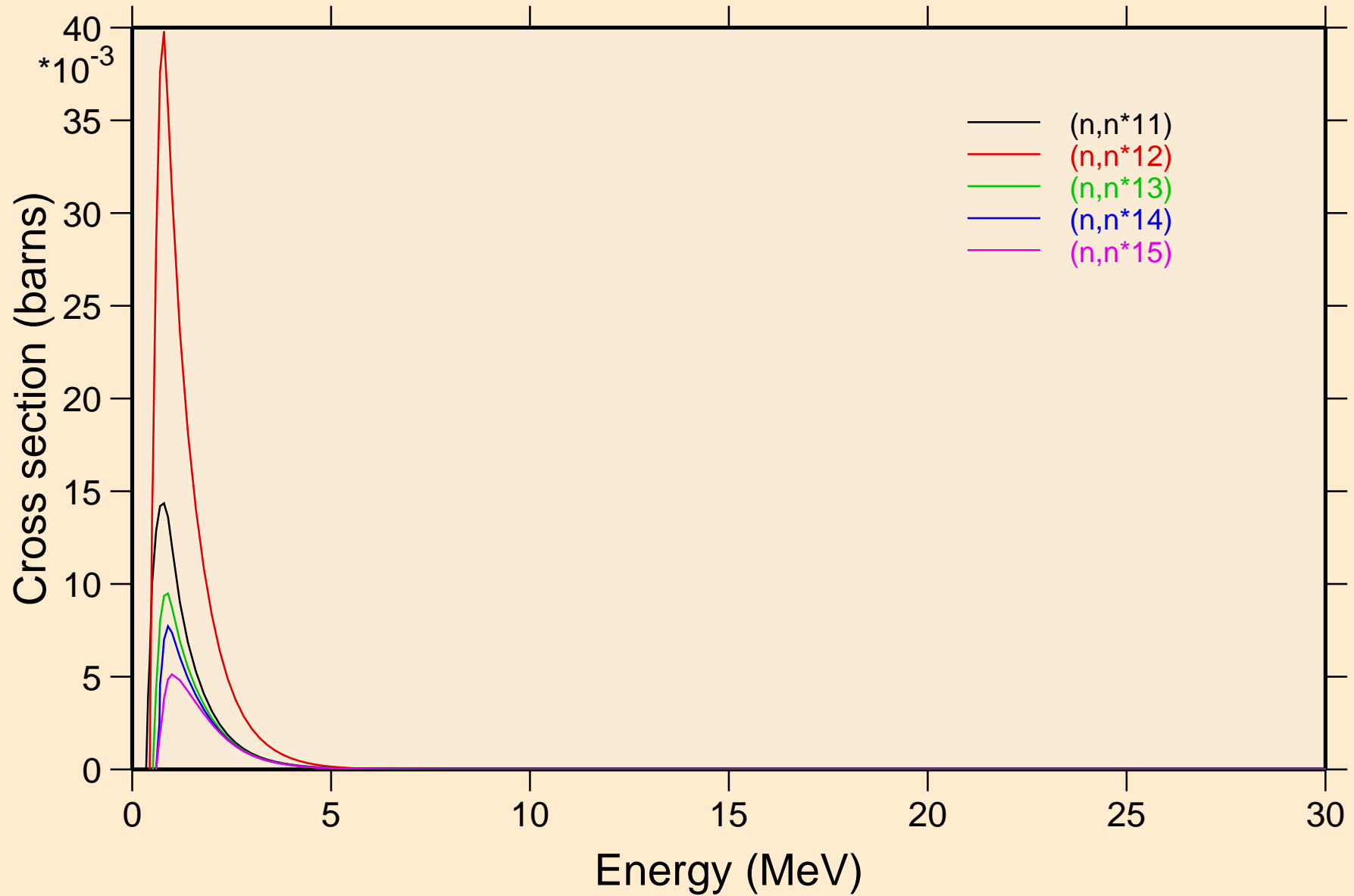


AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

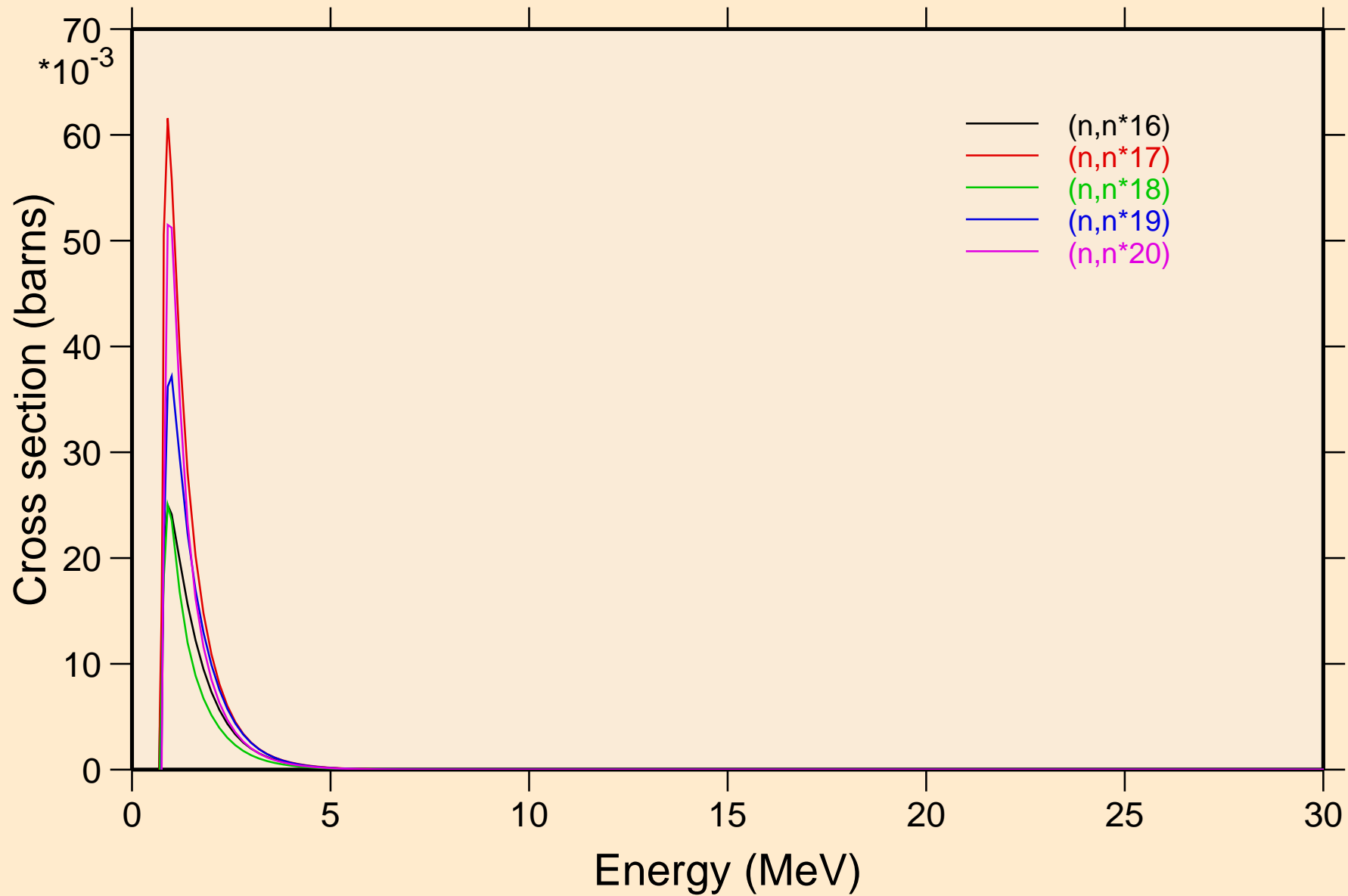




AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

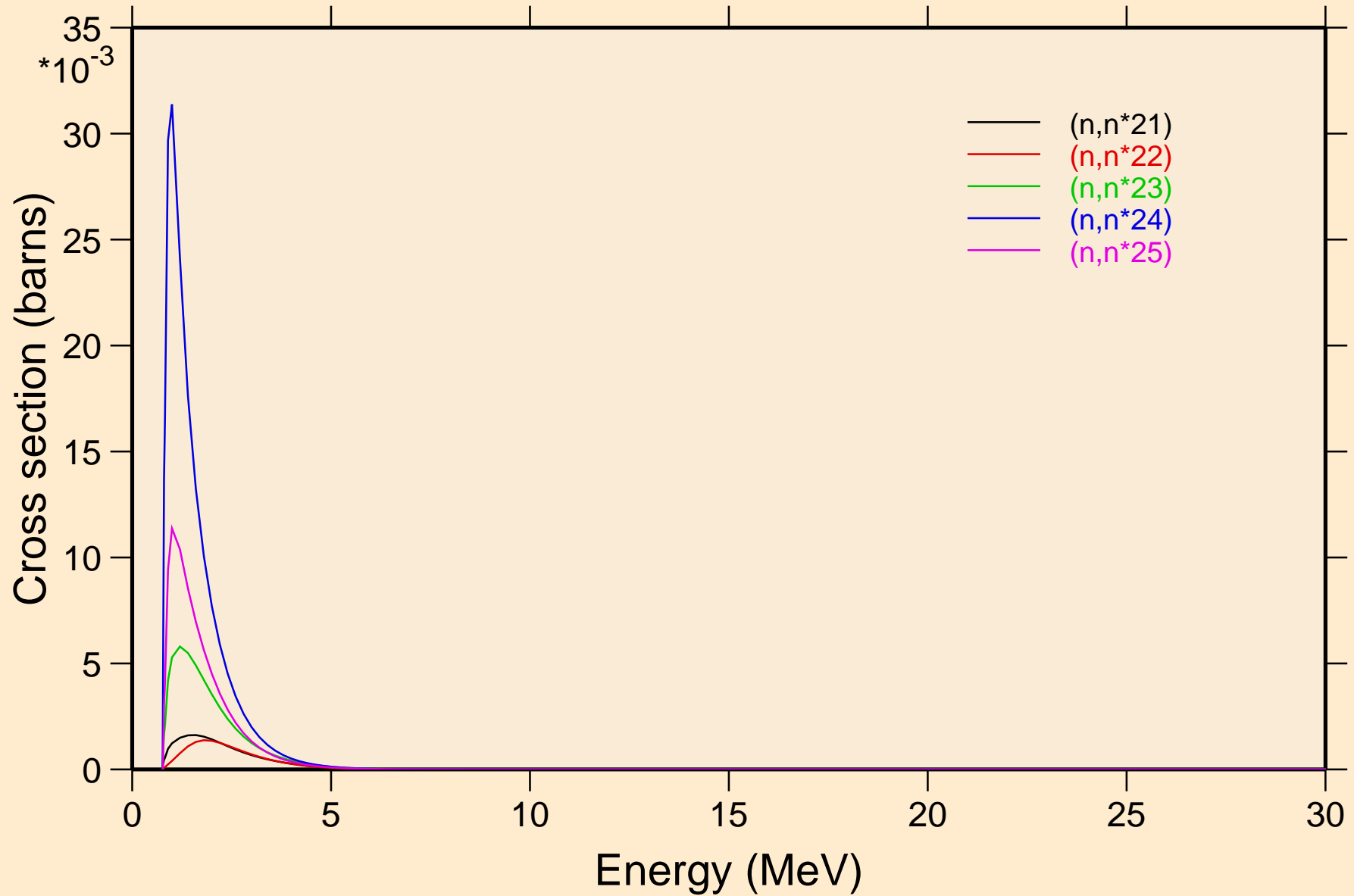


AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



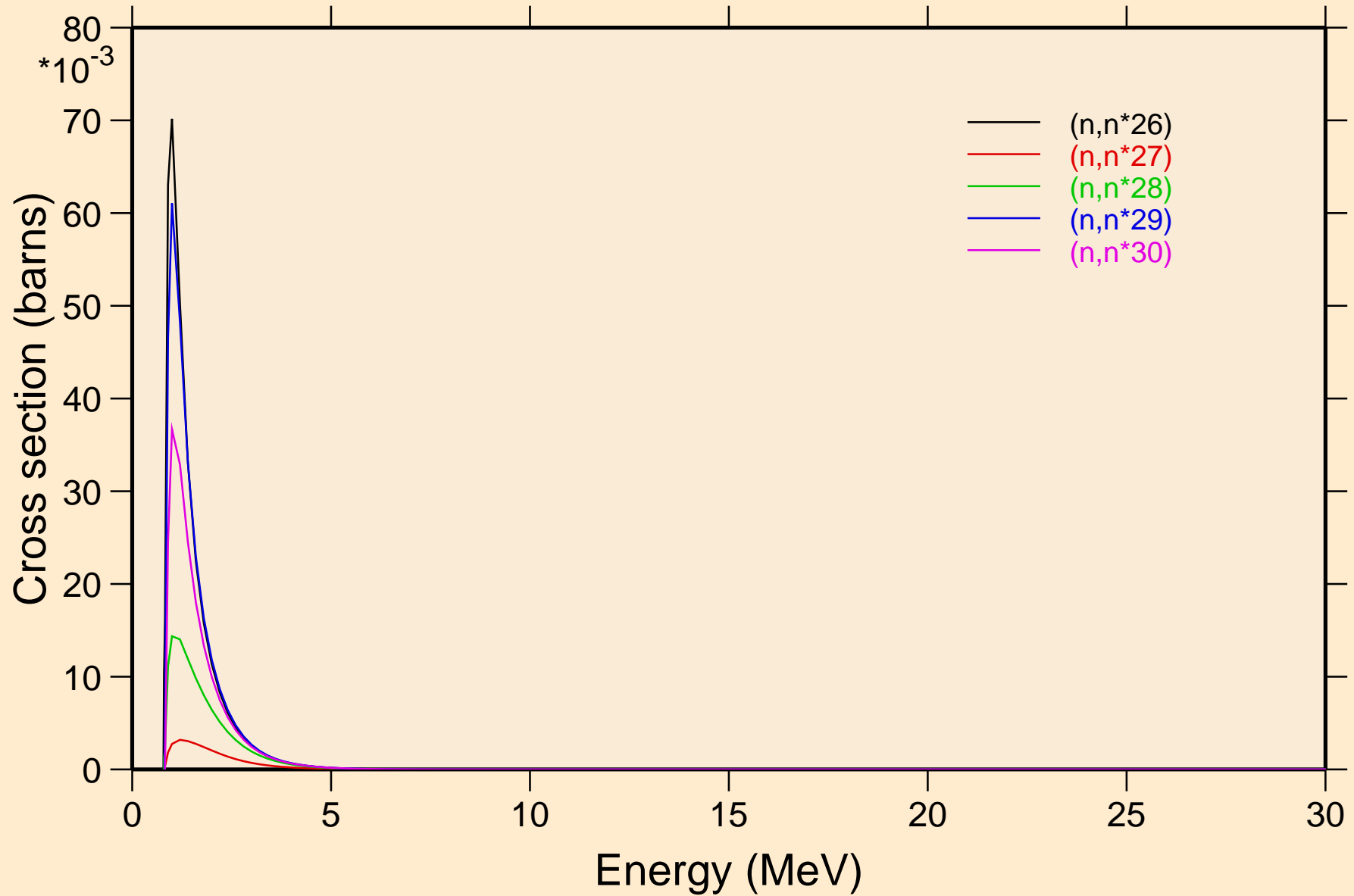
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## Inelastic levels

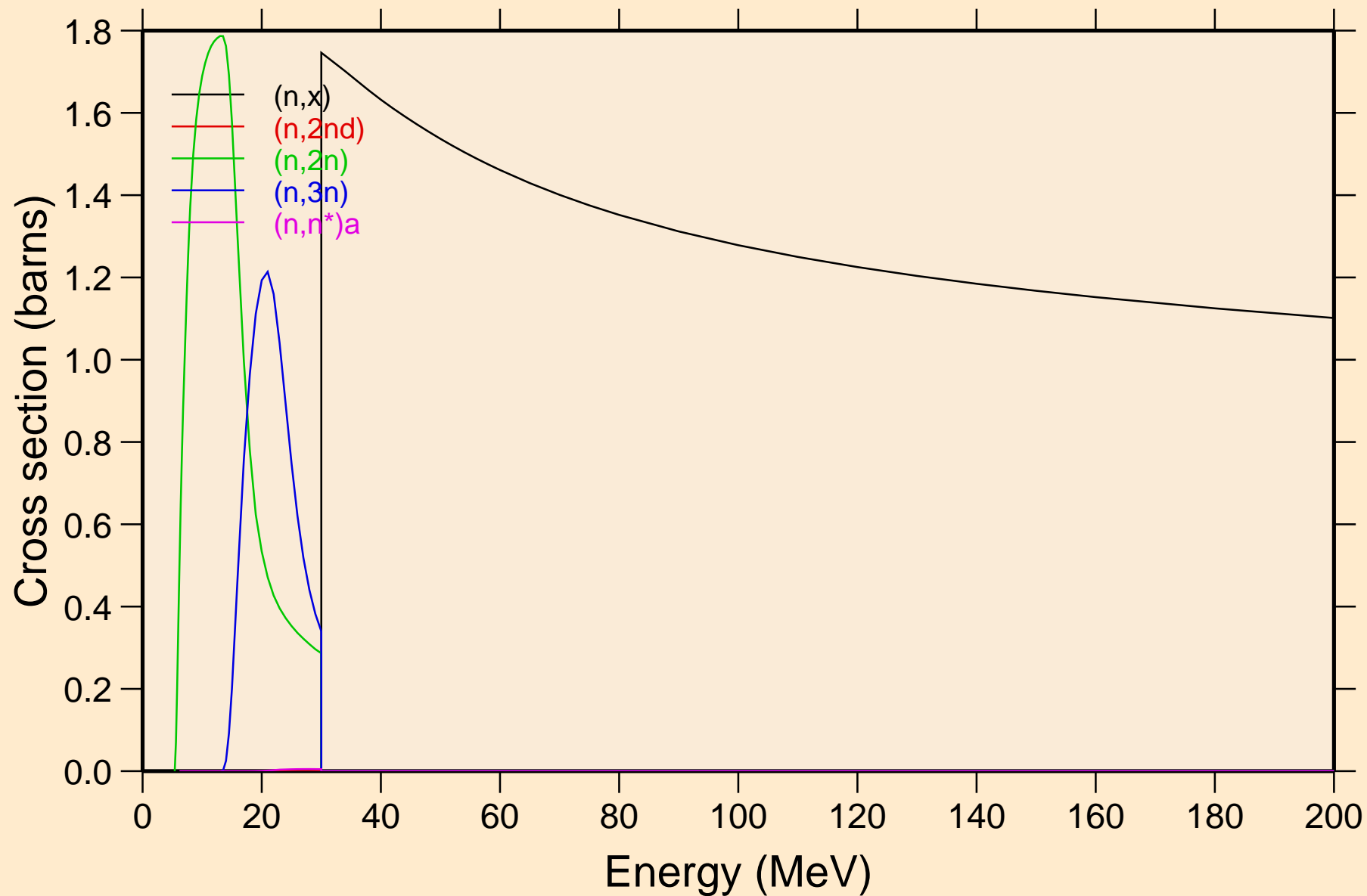


# AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Inelastic levels

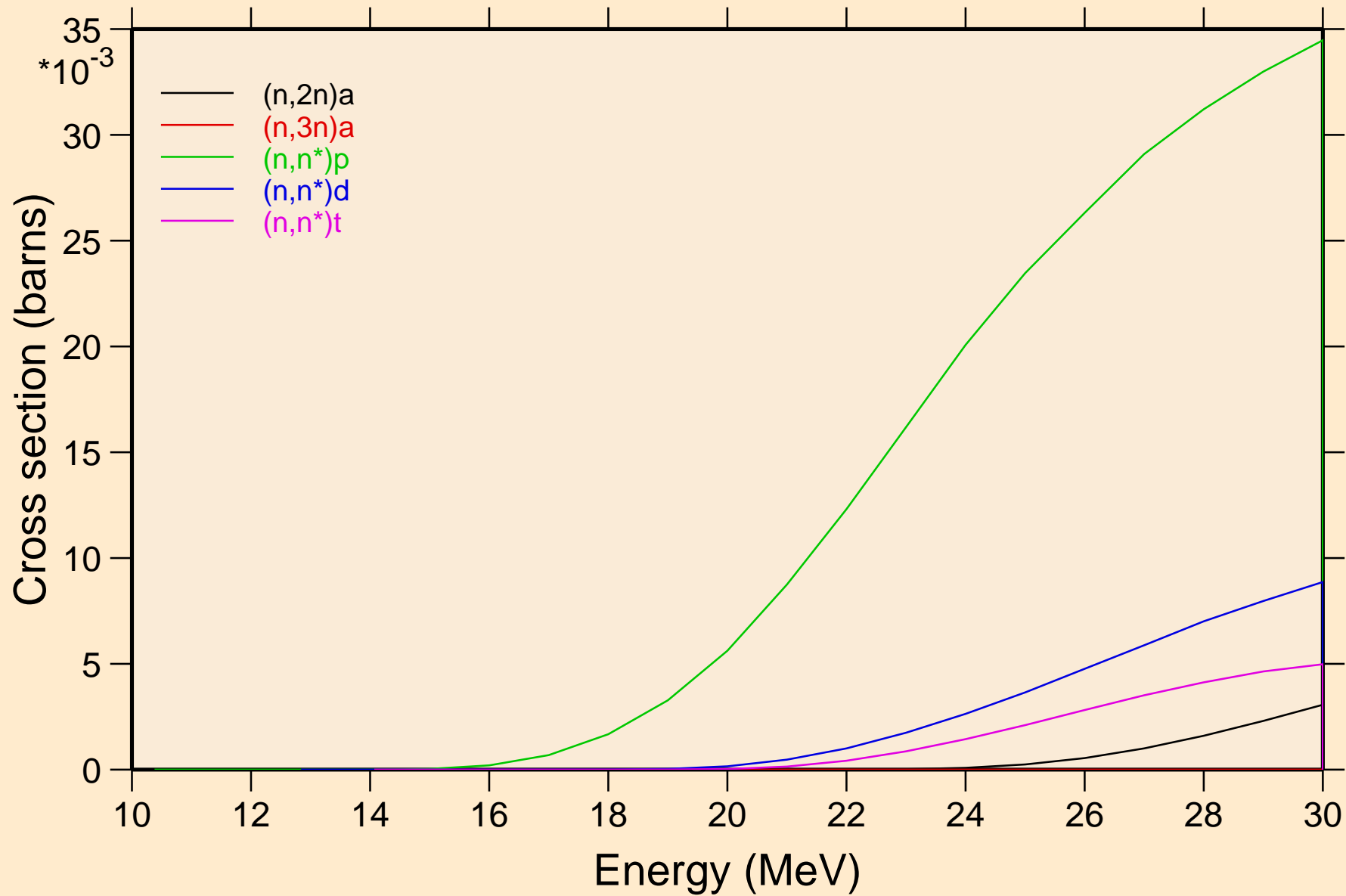


AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

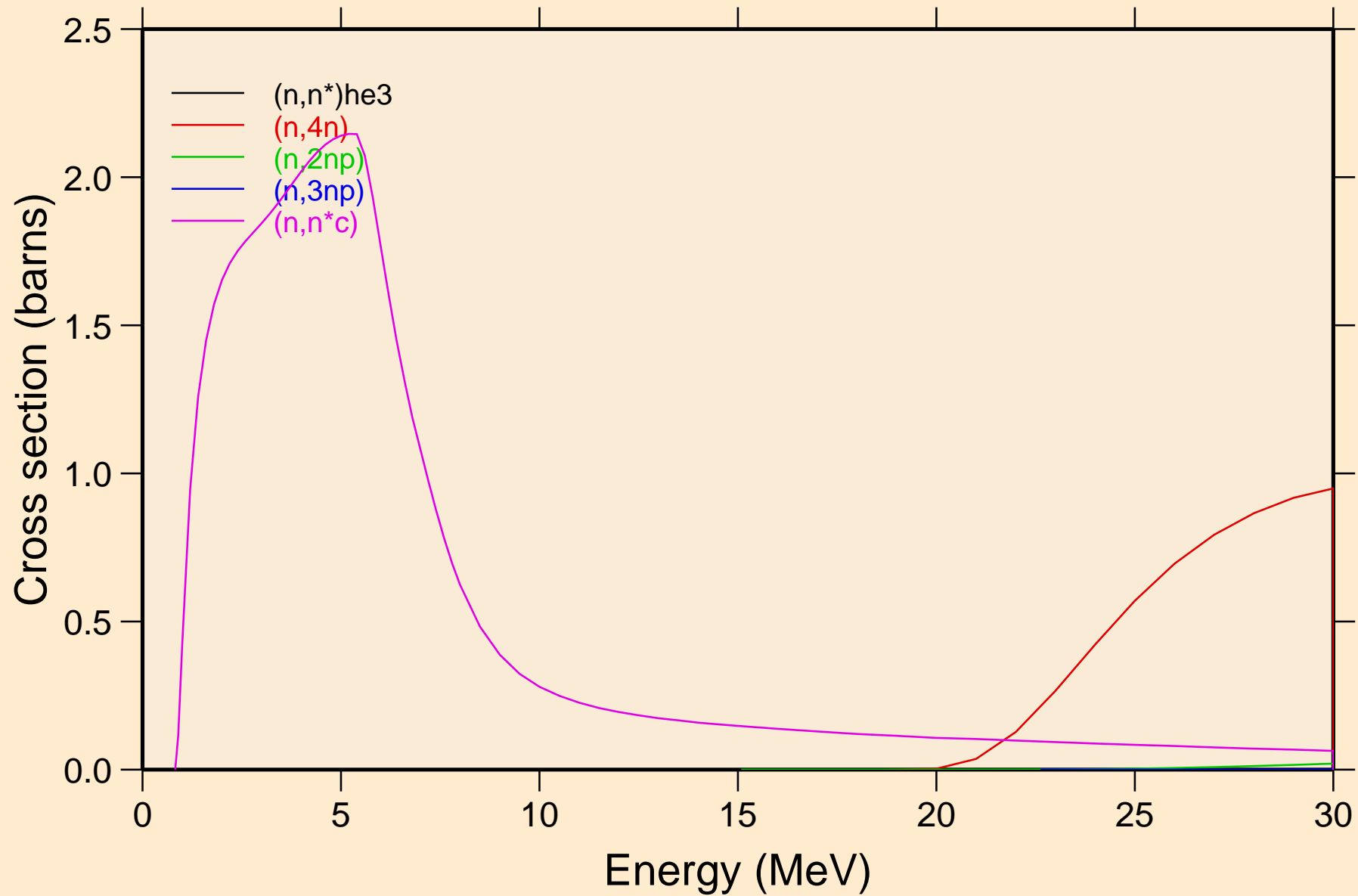


# AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions

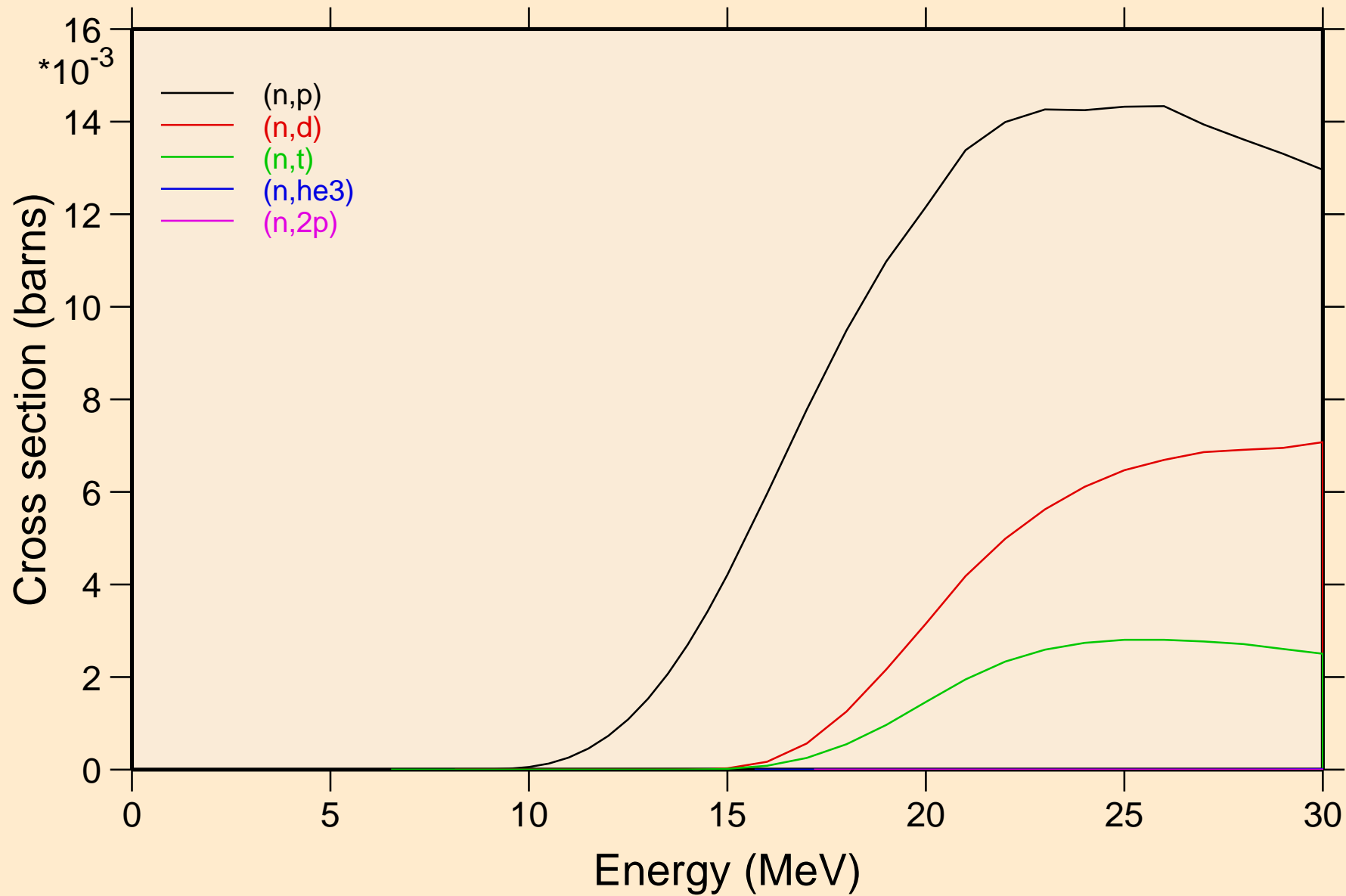


AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



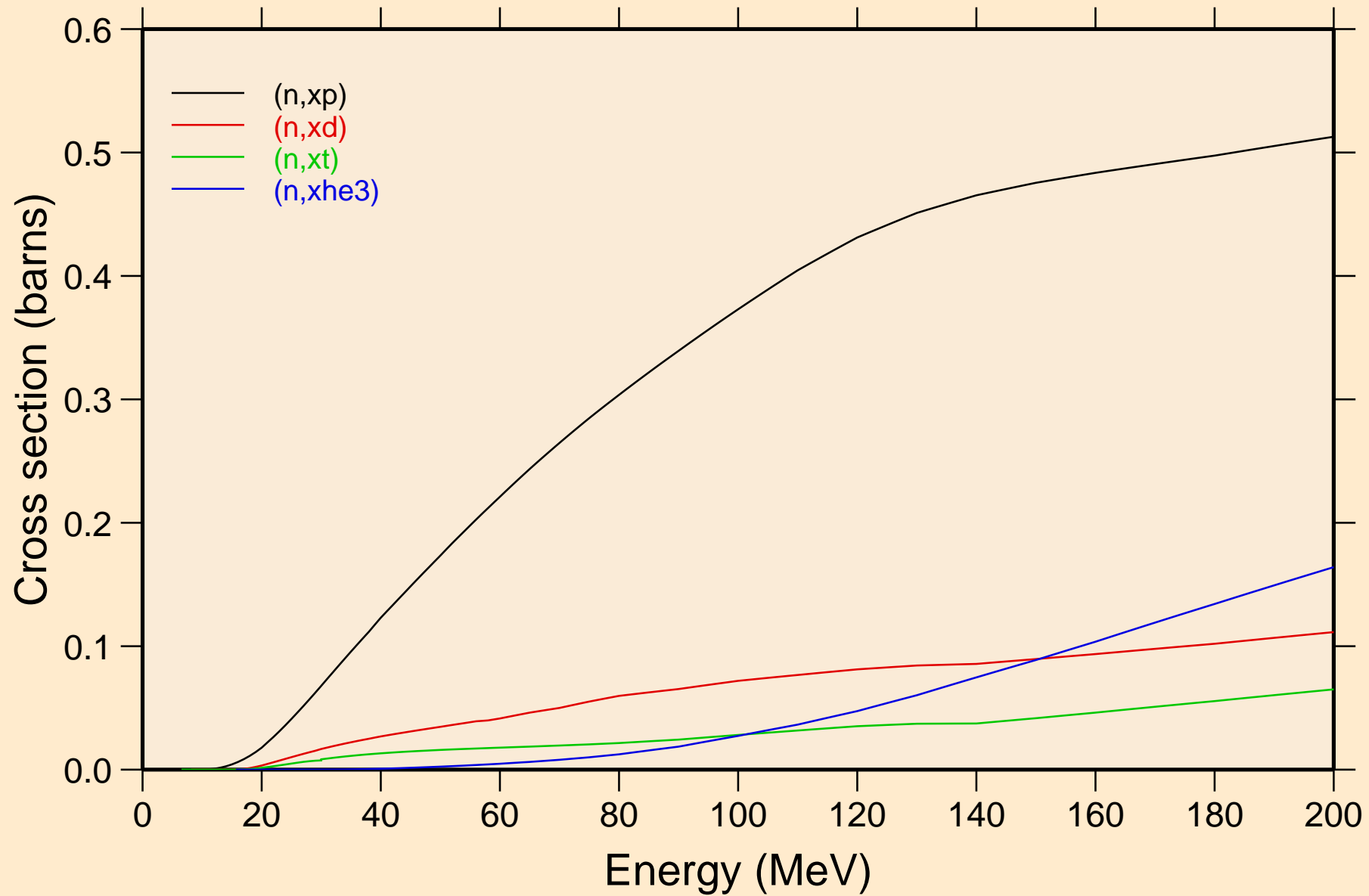
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## Threshold reactions

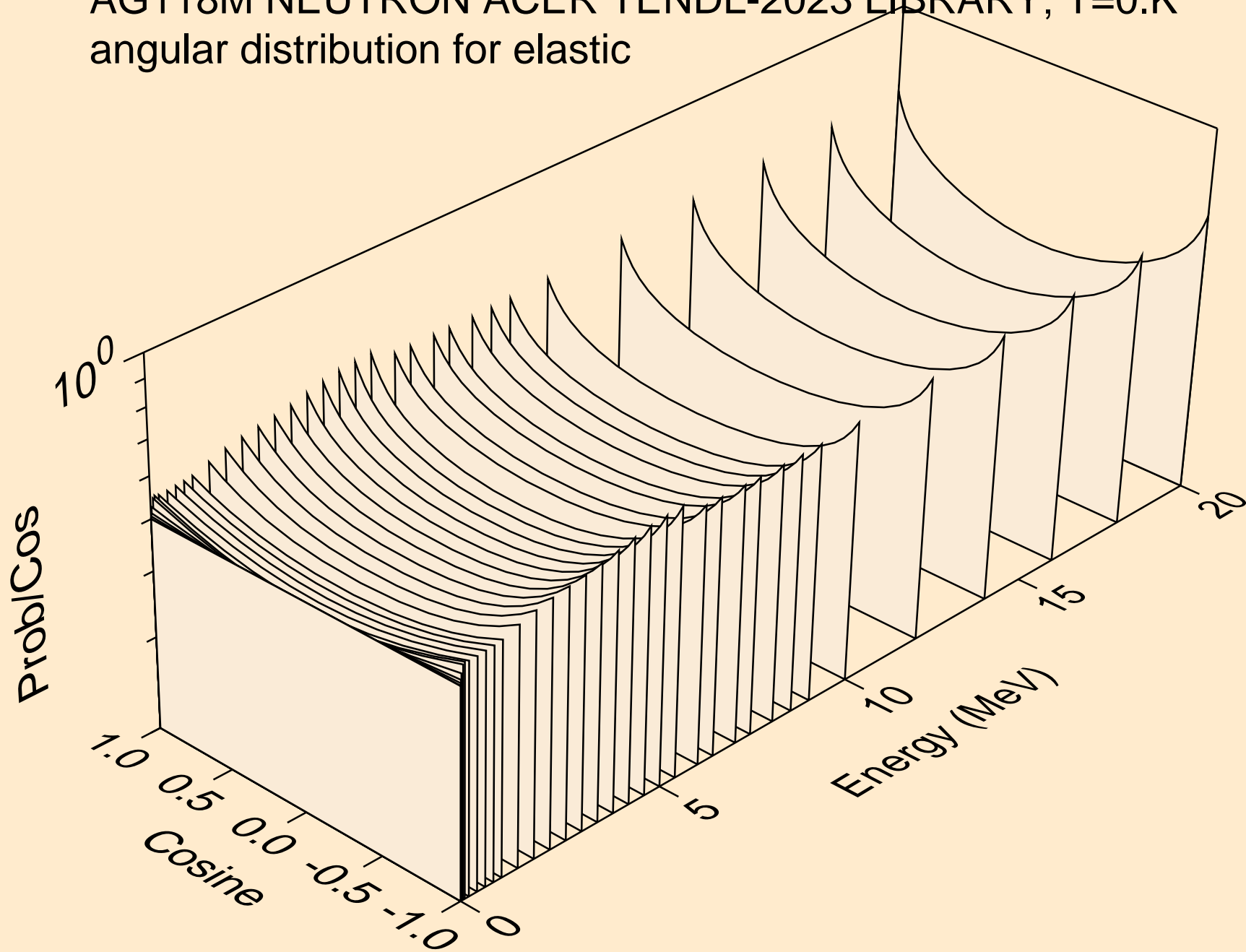




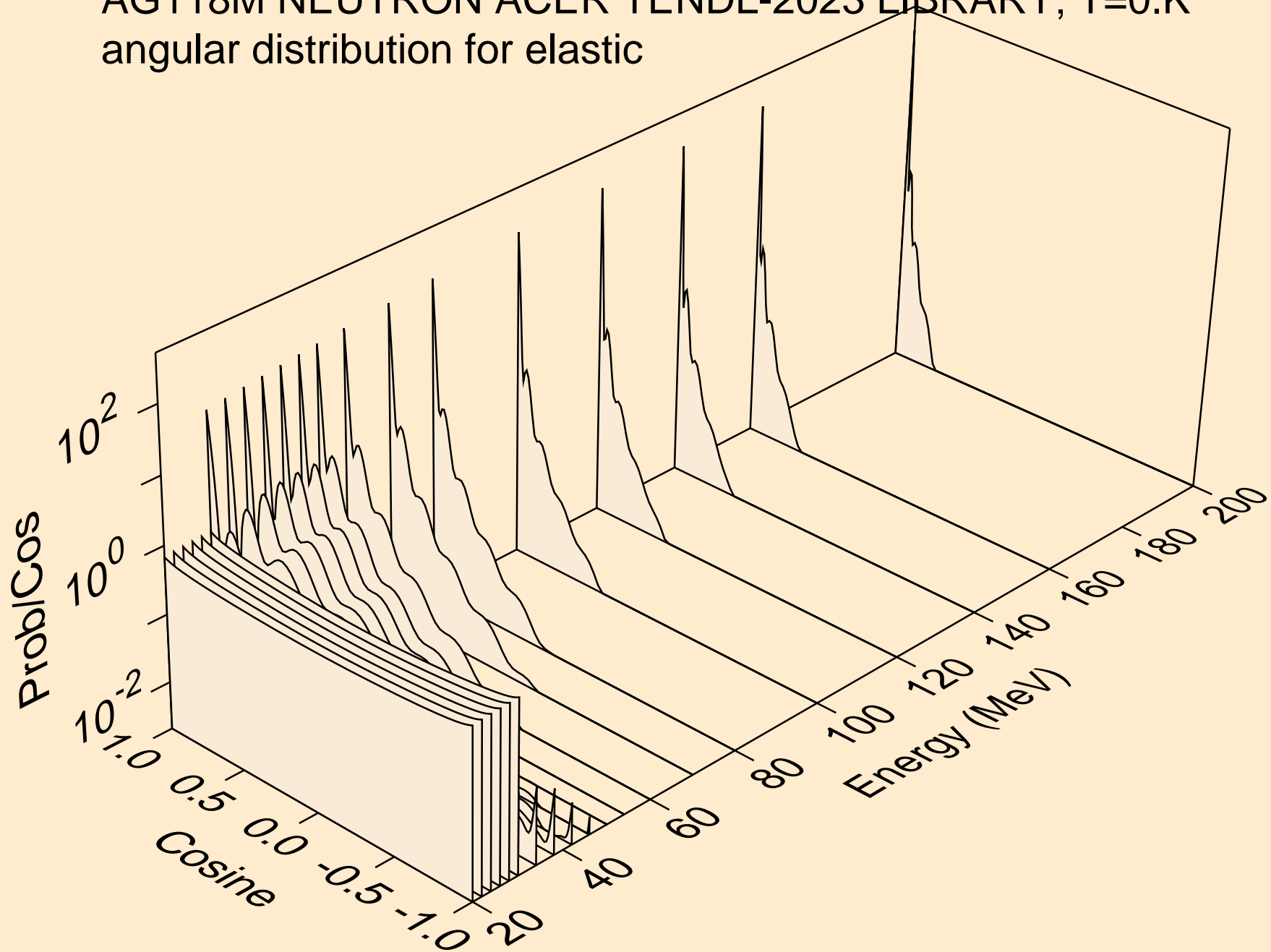
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



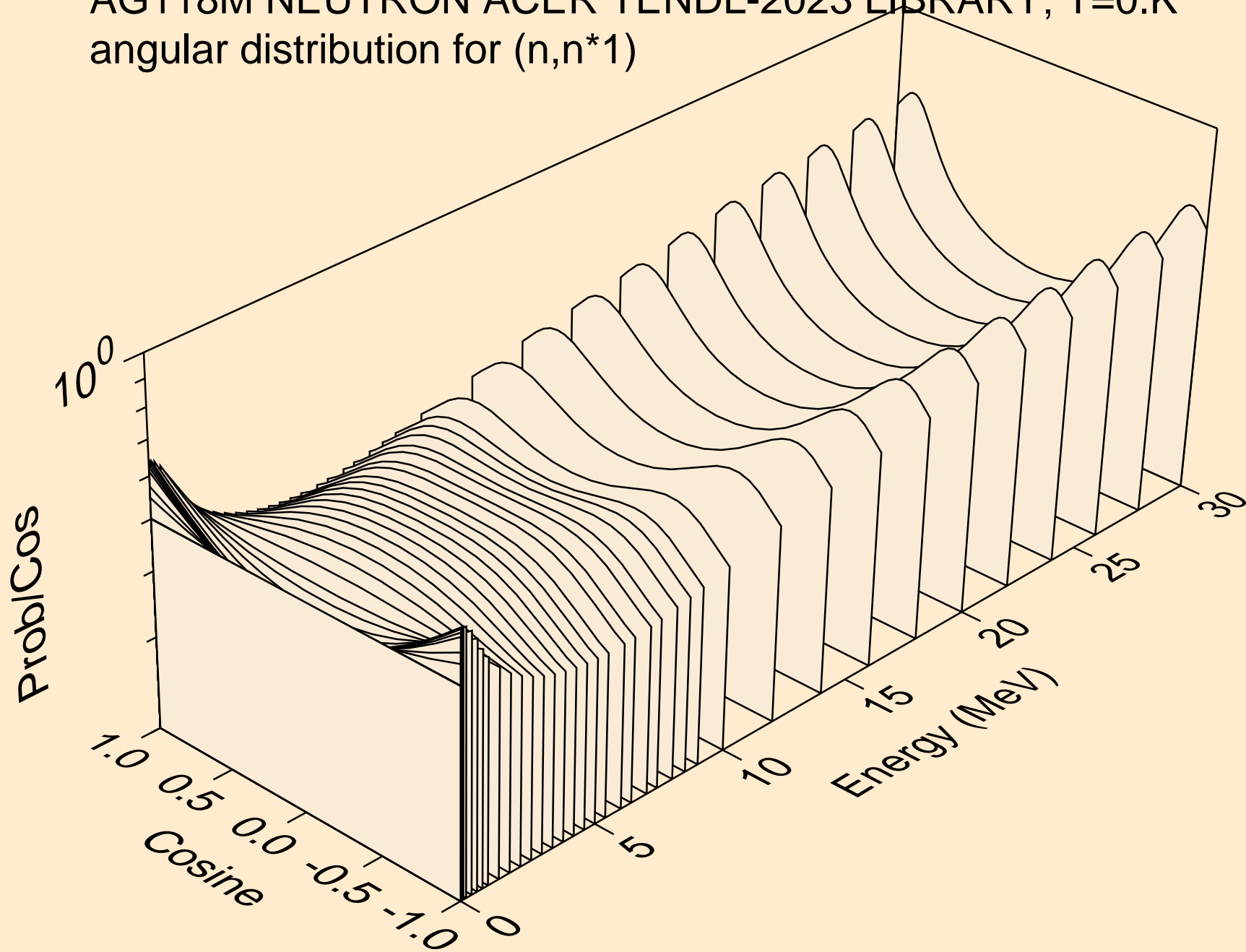
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angular distribution for elastic



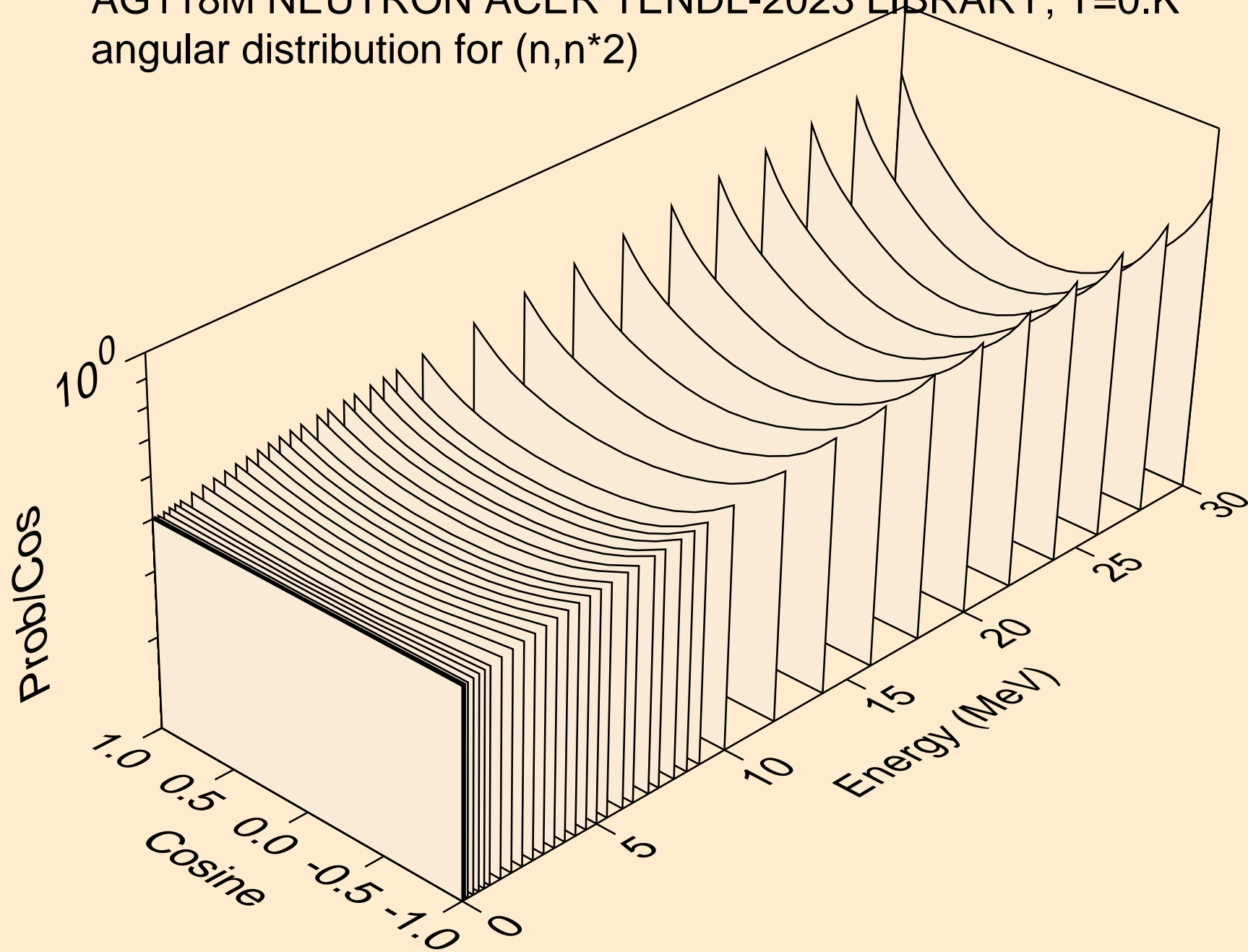
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angular distribution for elastic



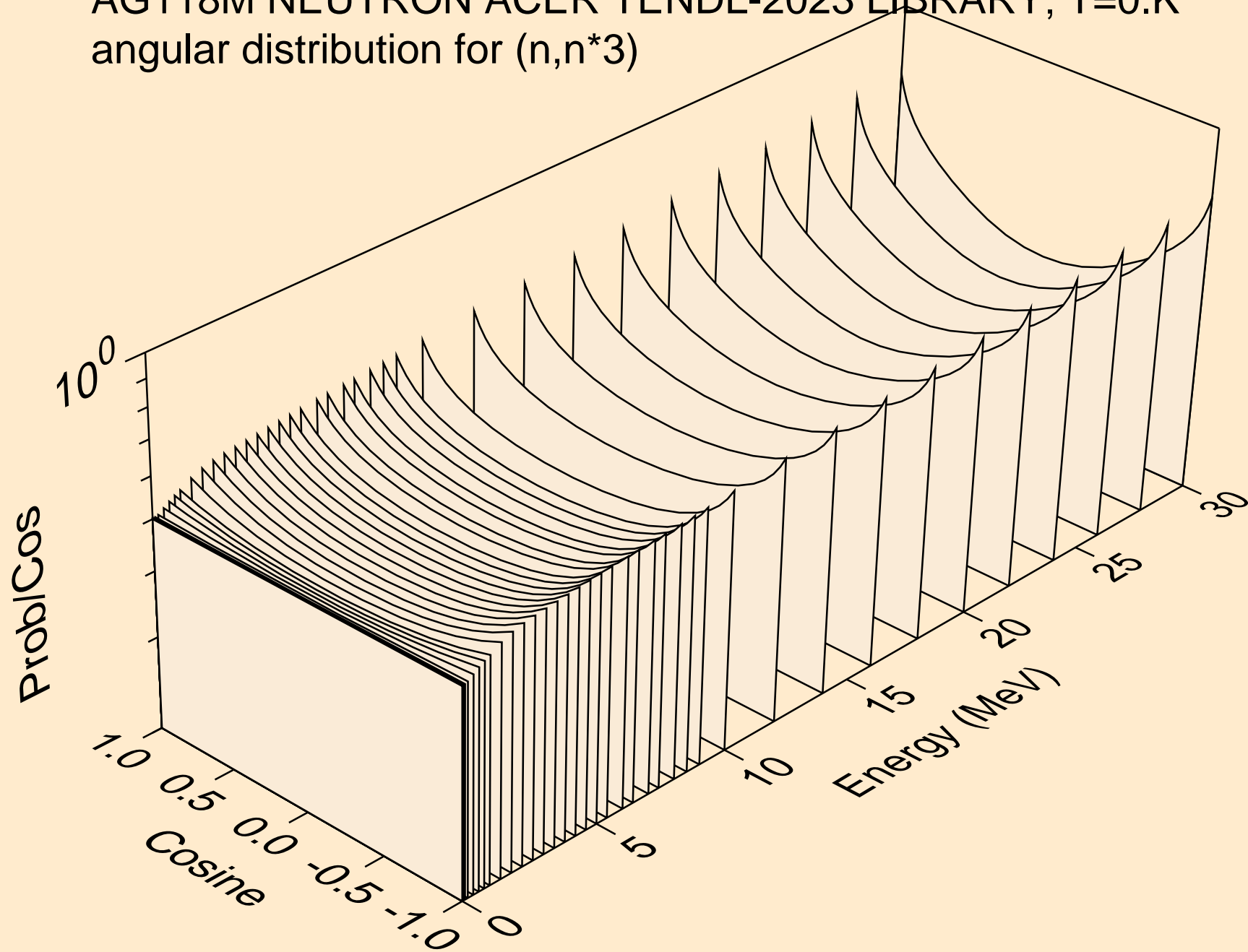
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



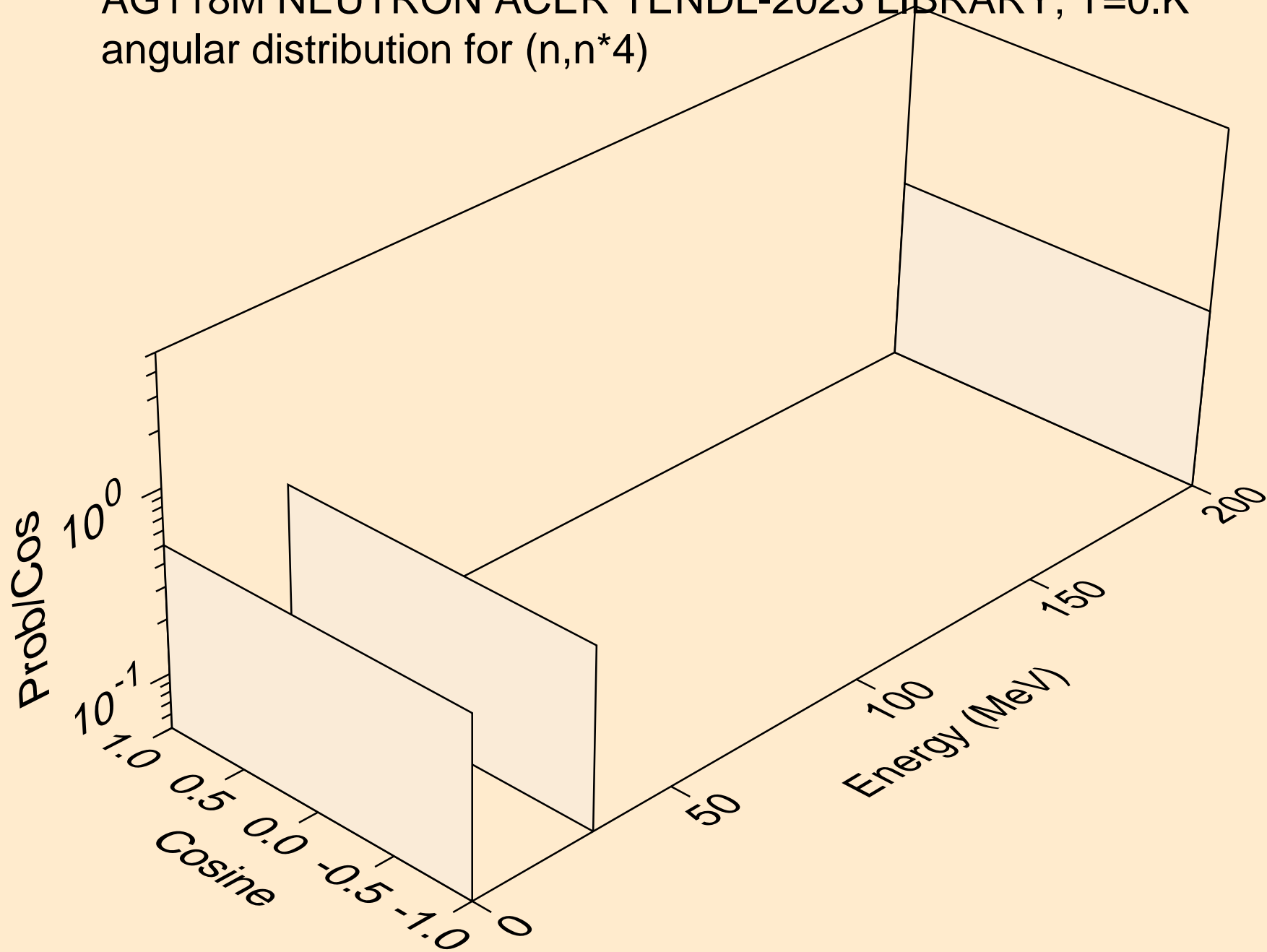
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angular distribution for (n,n\*2)



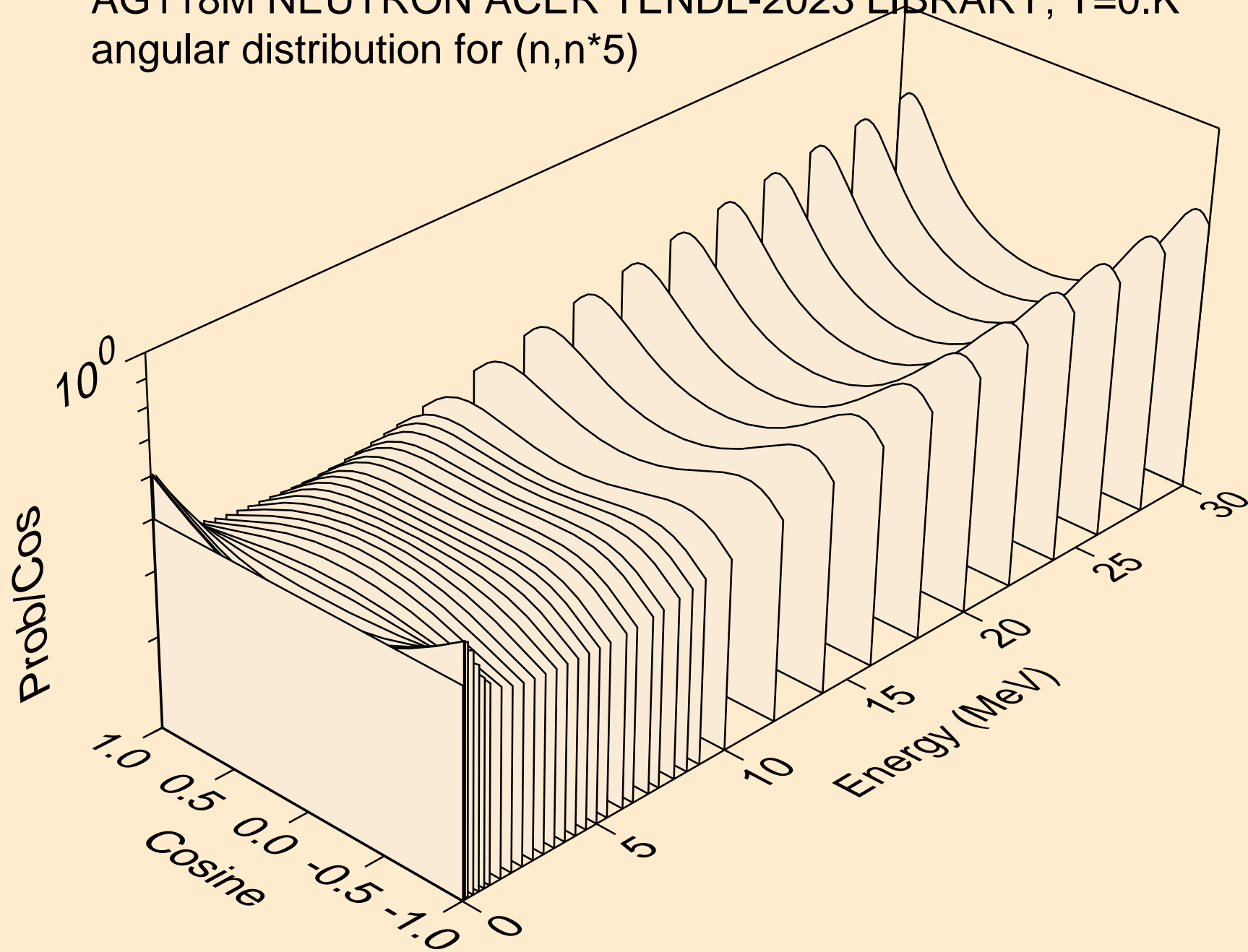
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

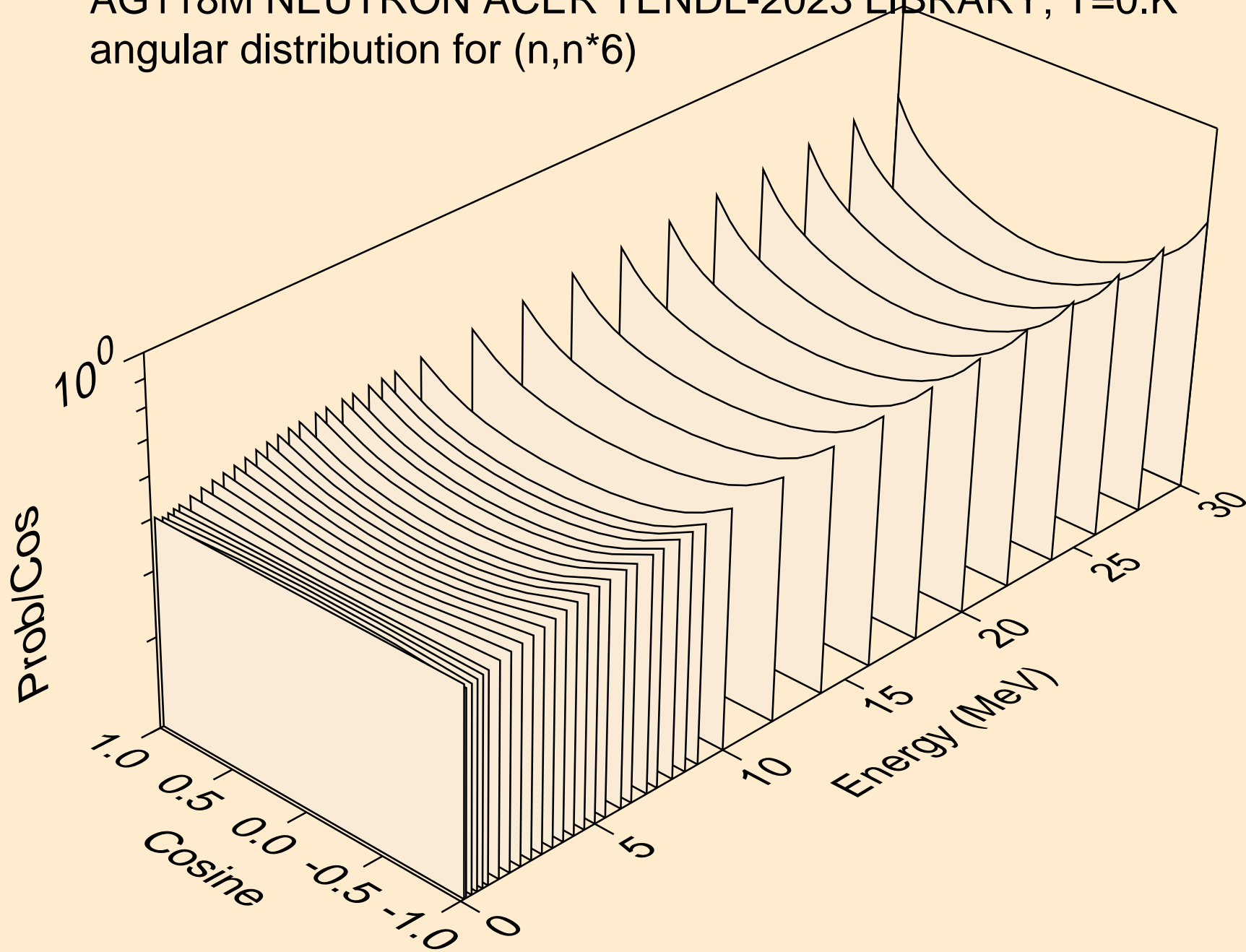


AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

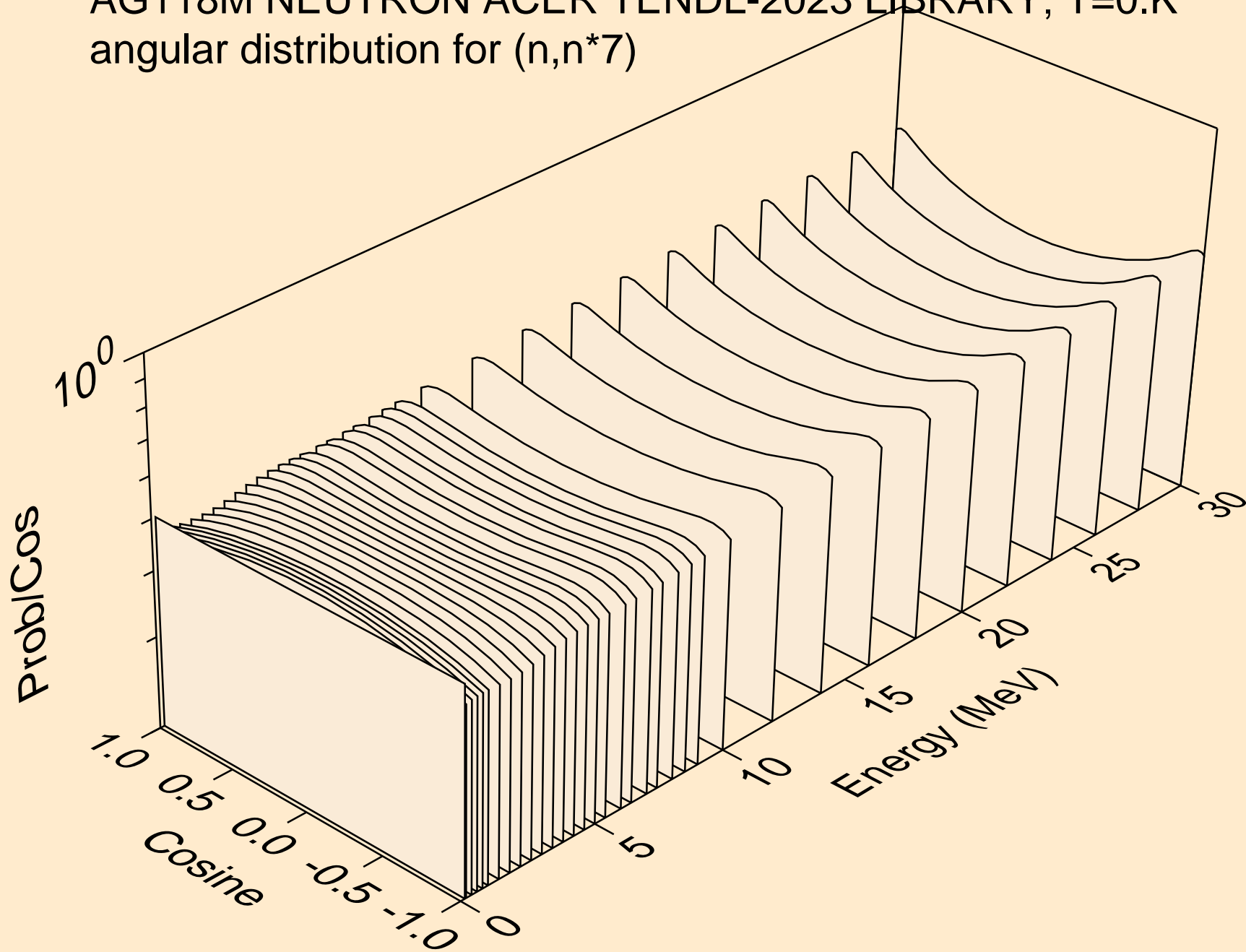




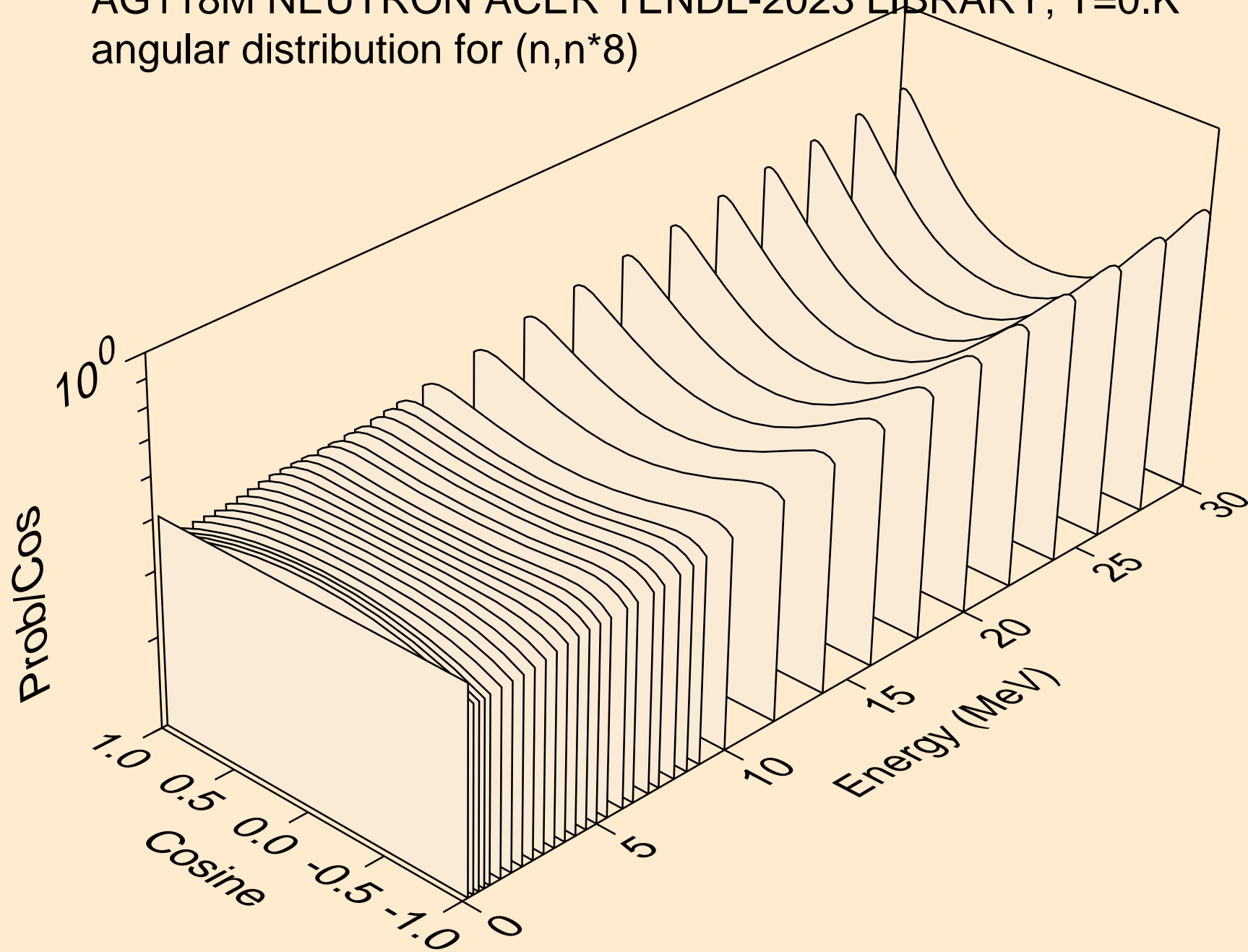
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angular distribution for (n,n\*6)



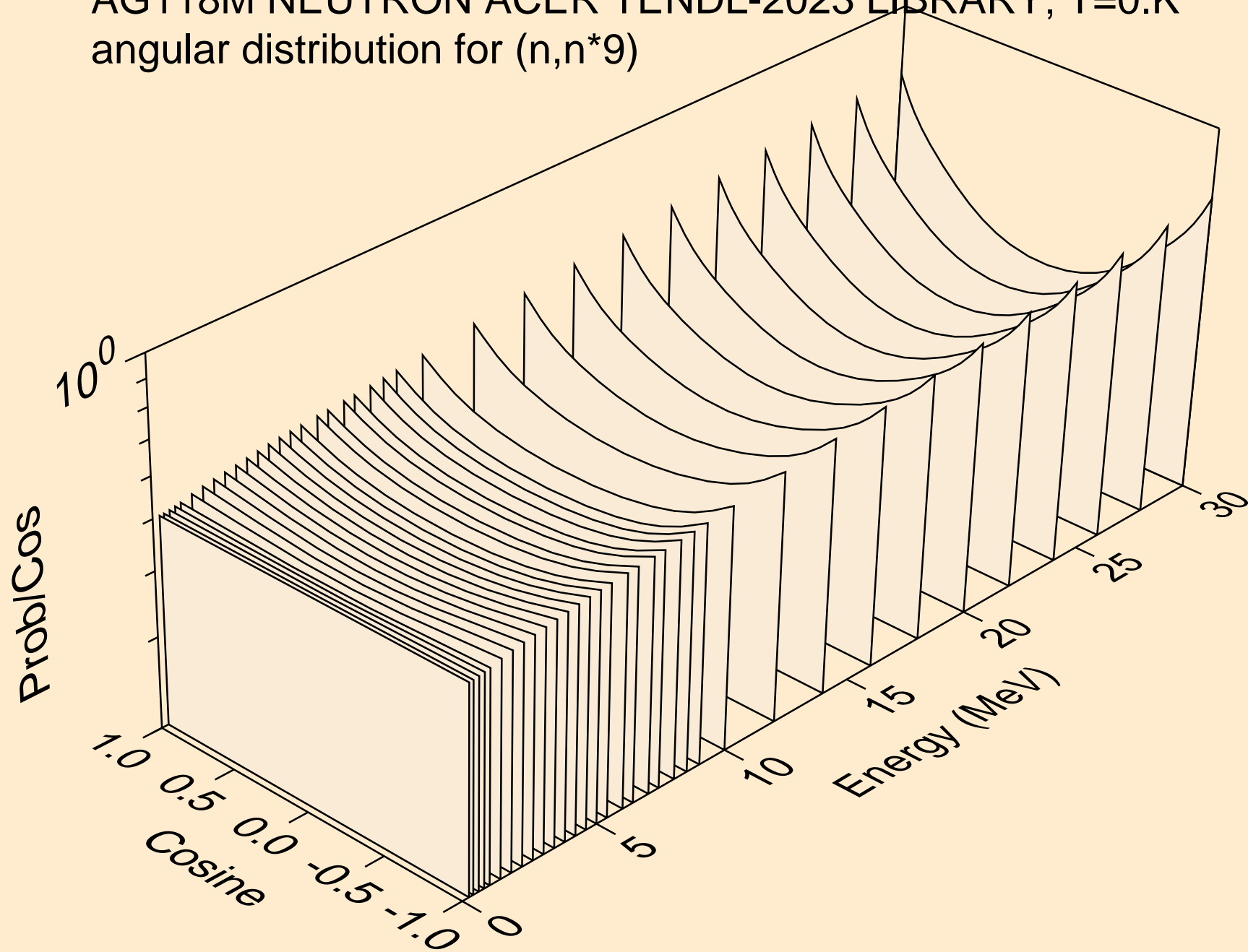
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angular distribution for (n,n\*7)



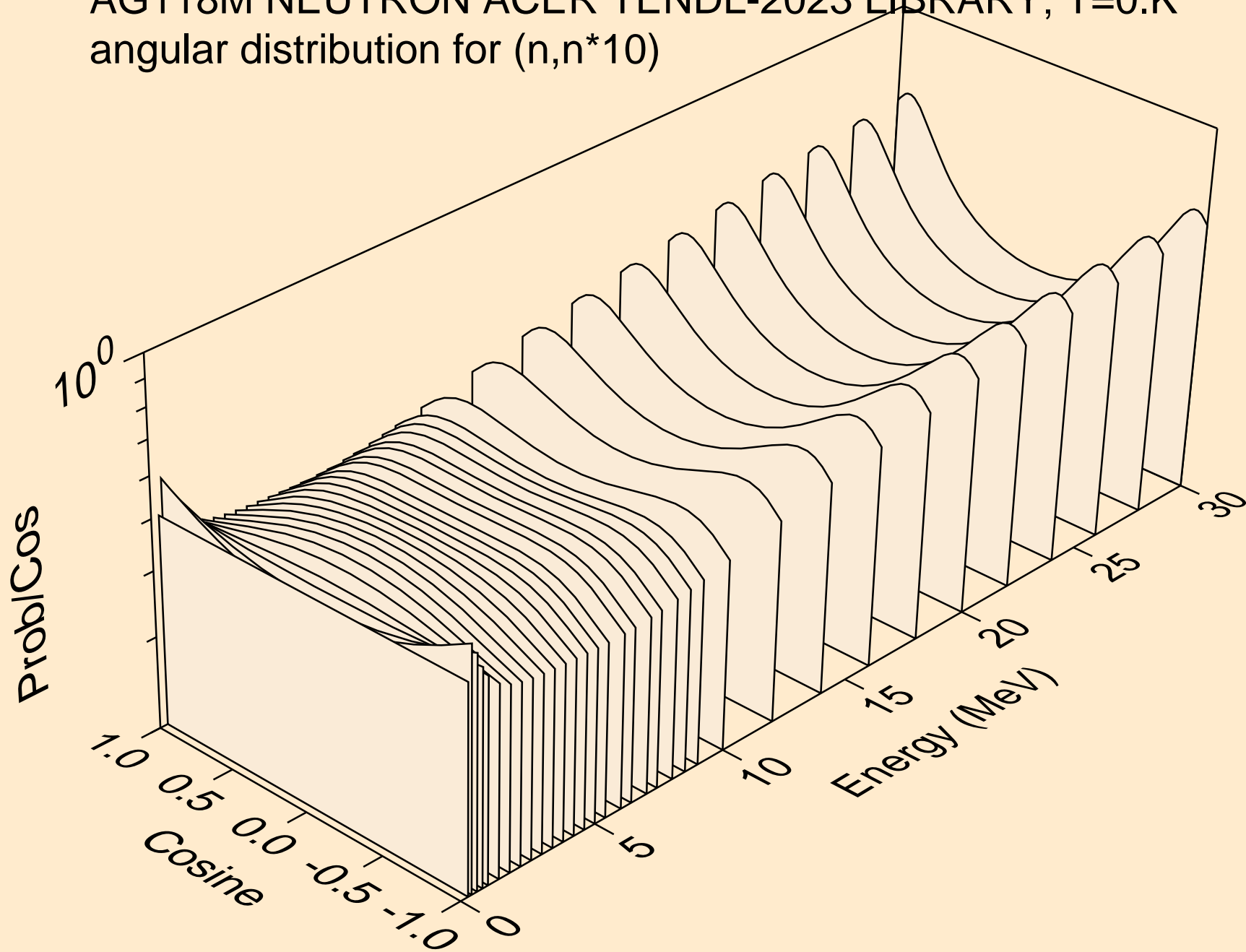
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angular distribution for (n,n\*8)



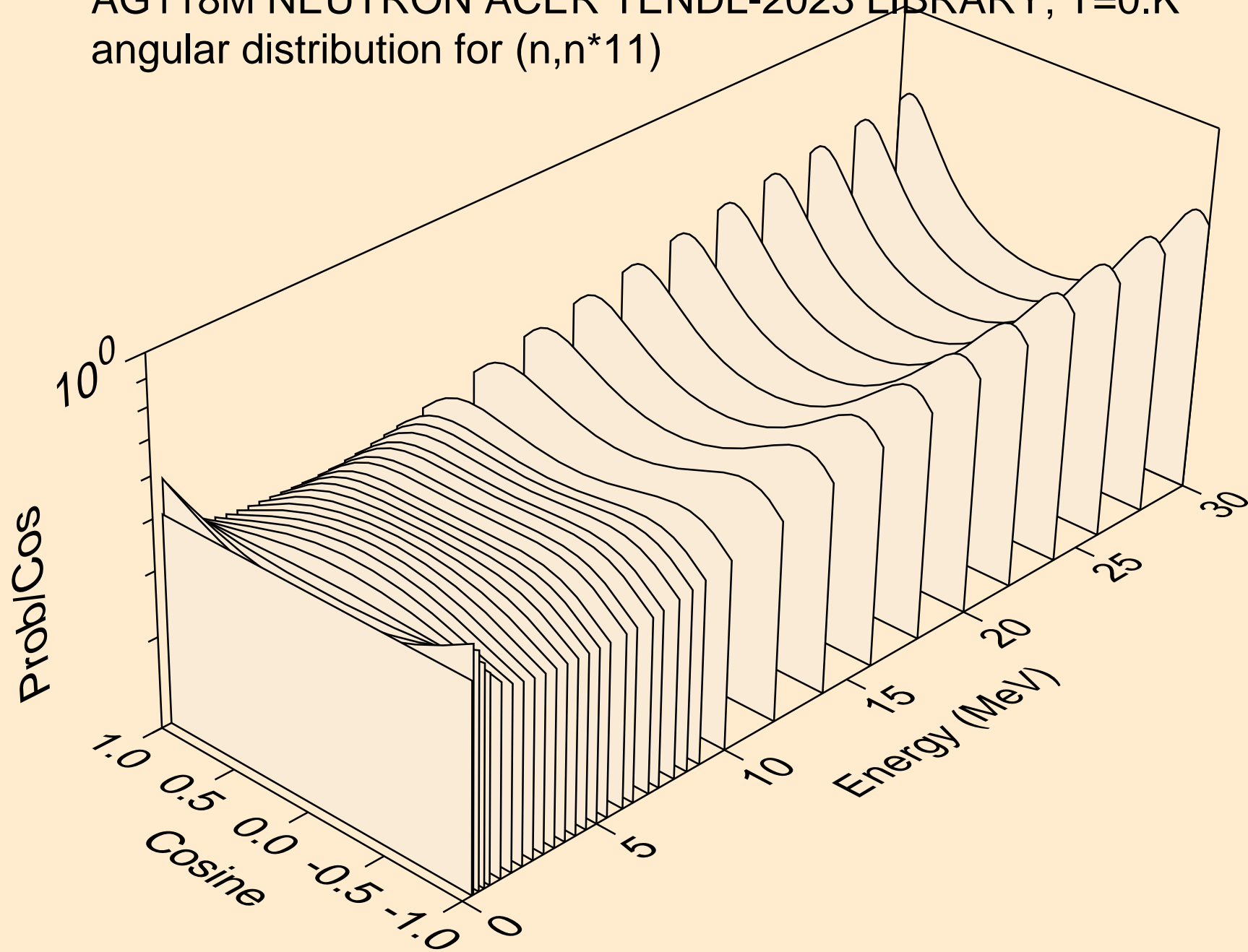
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angular distribution for (n,n\*9)



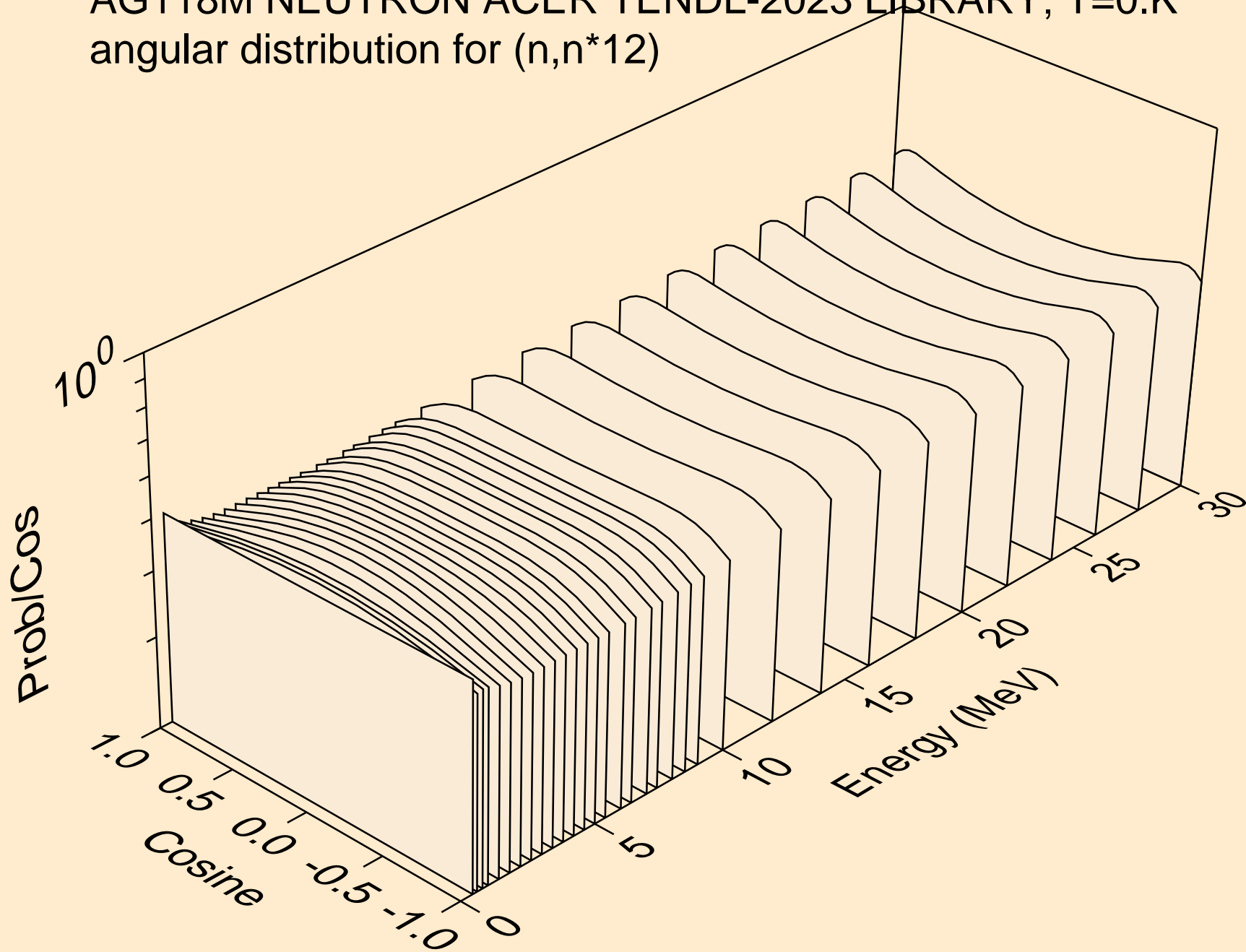
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angular distribution for (n,n\*10)



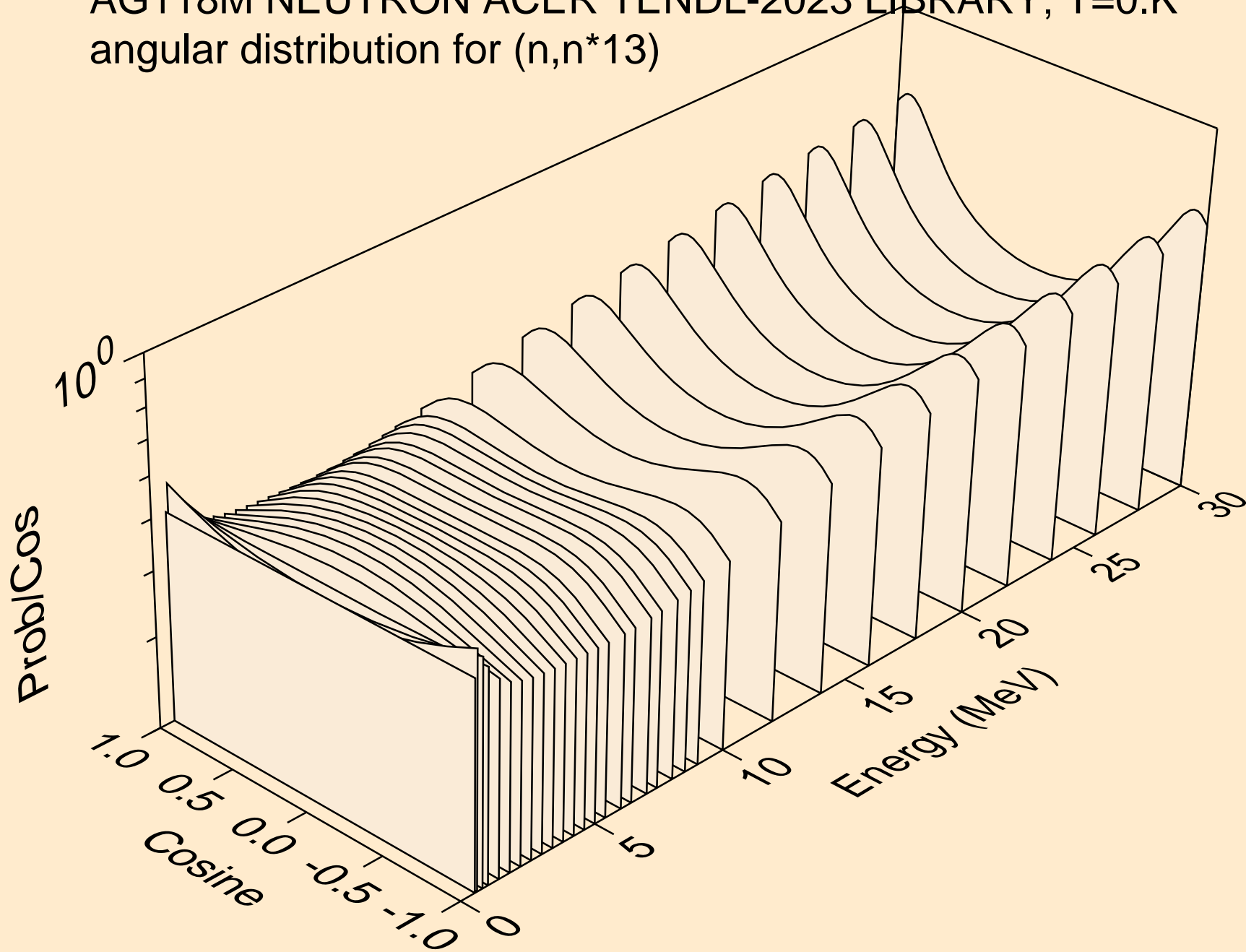
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

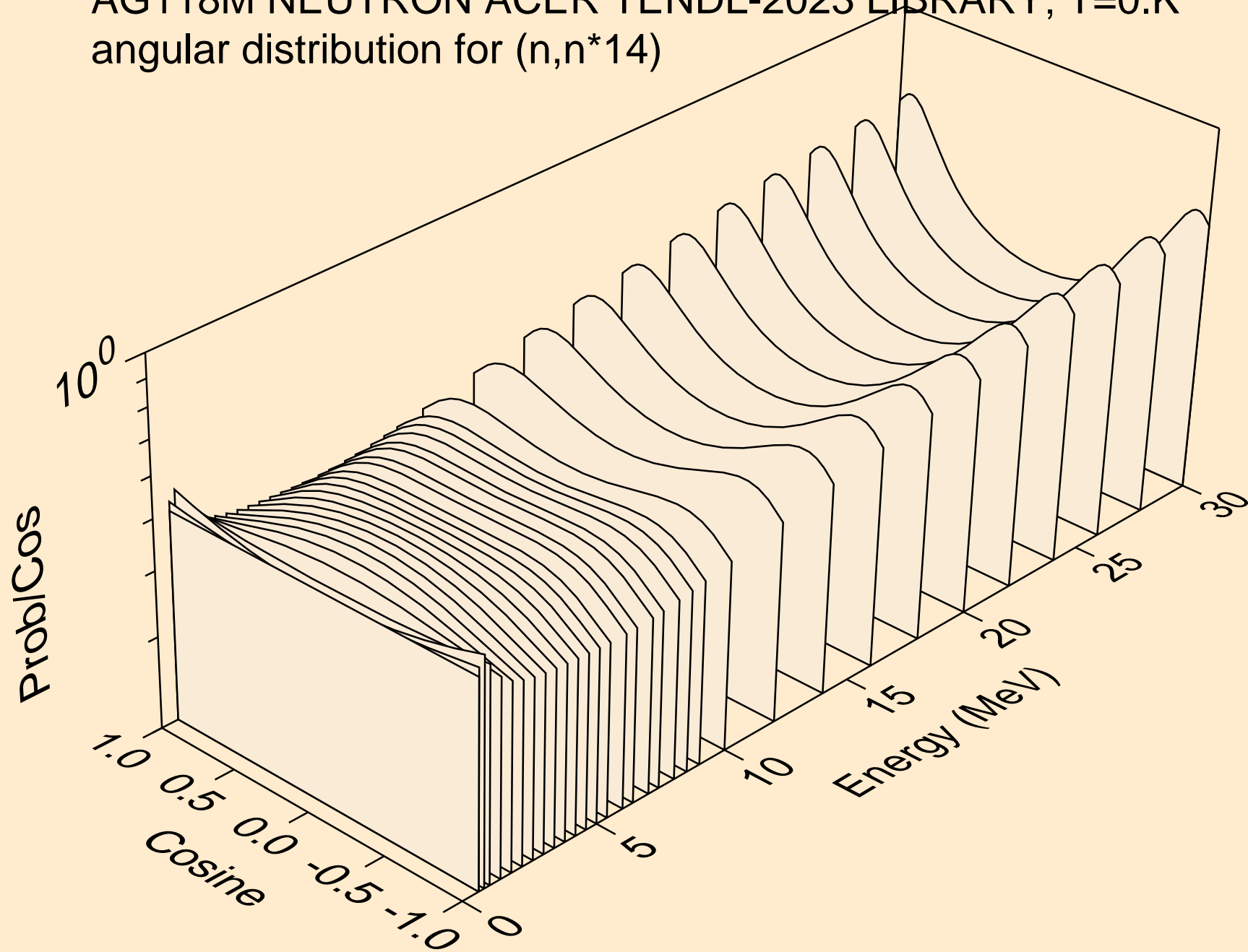


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angular distribution for (n,n\*13)

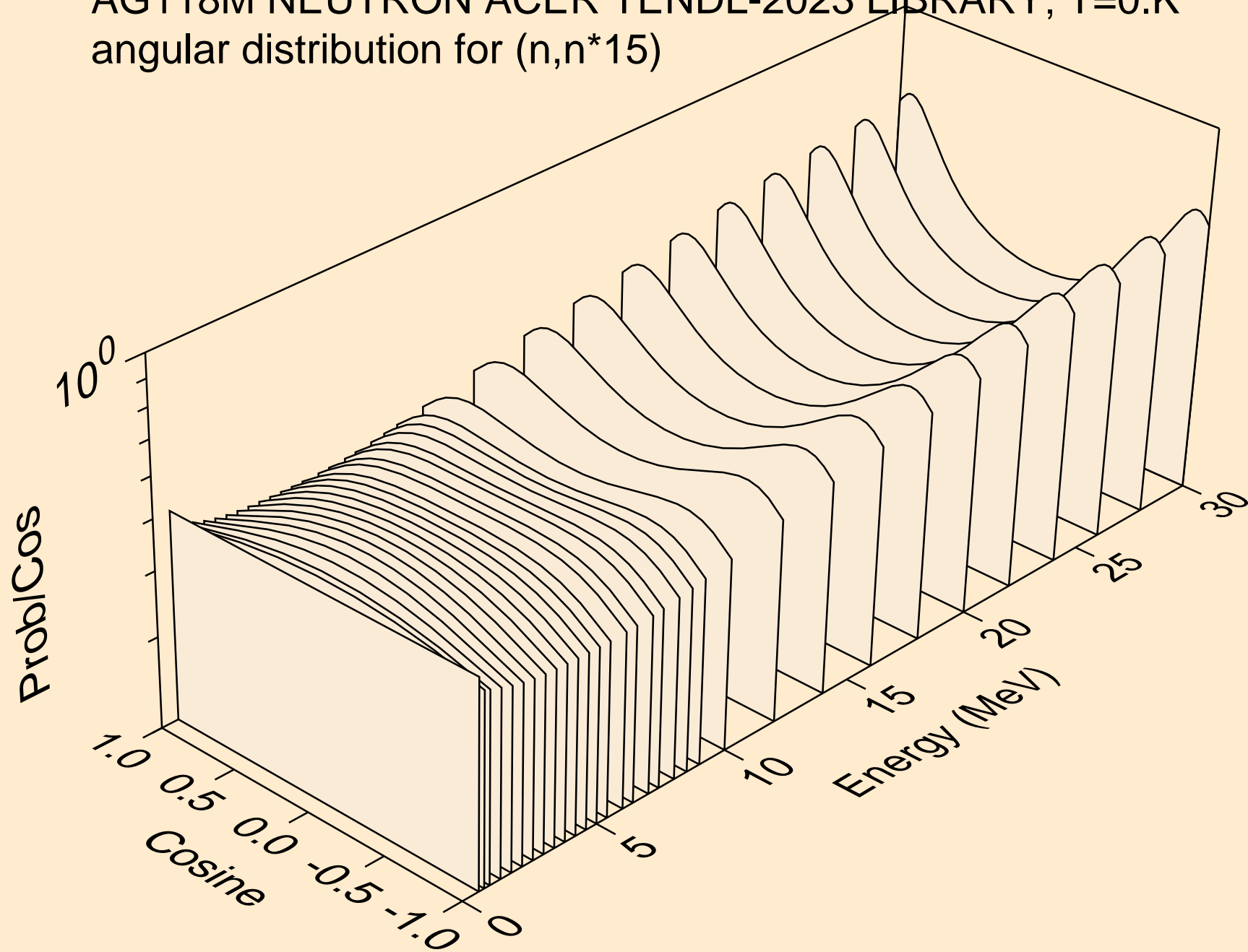




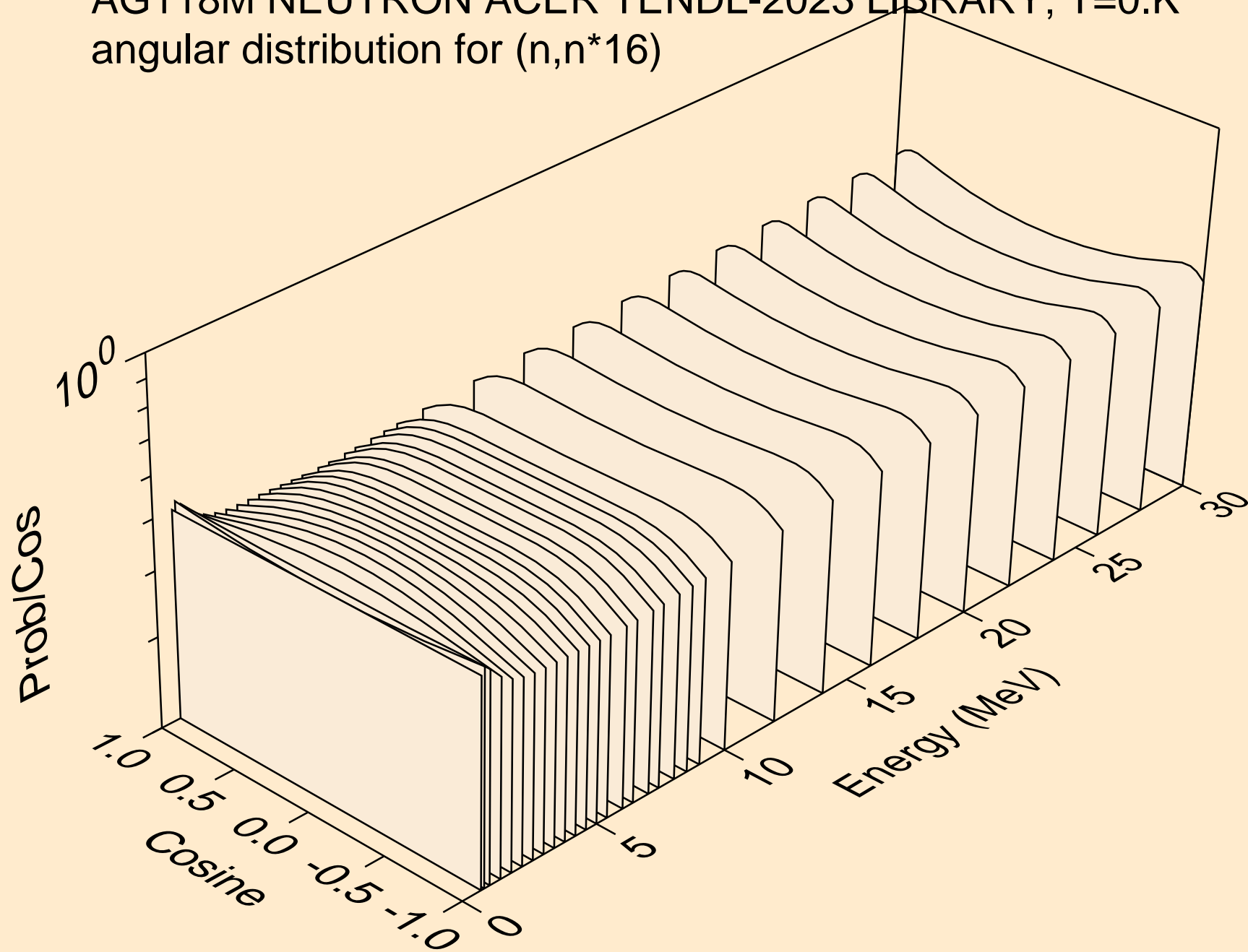
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angular distribution for (n,n\*14)



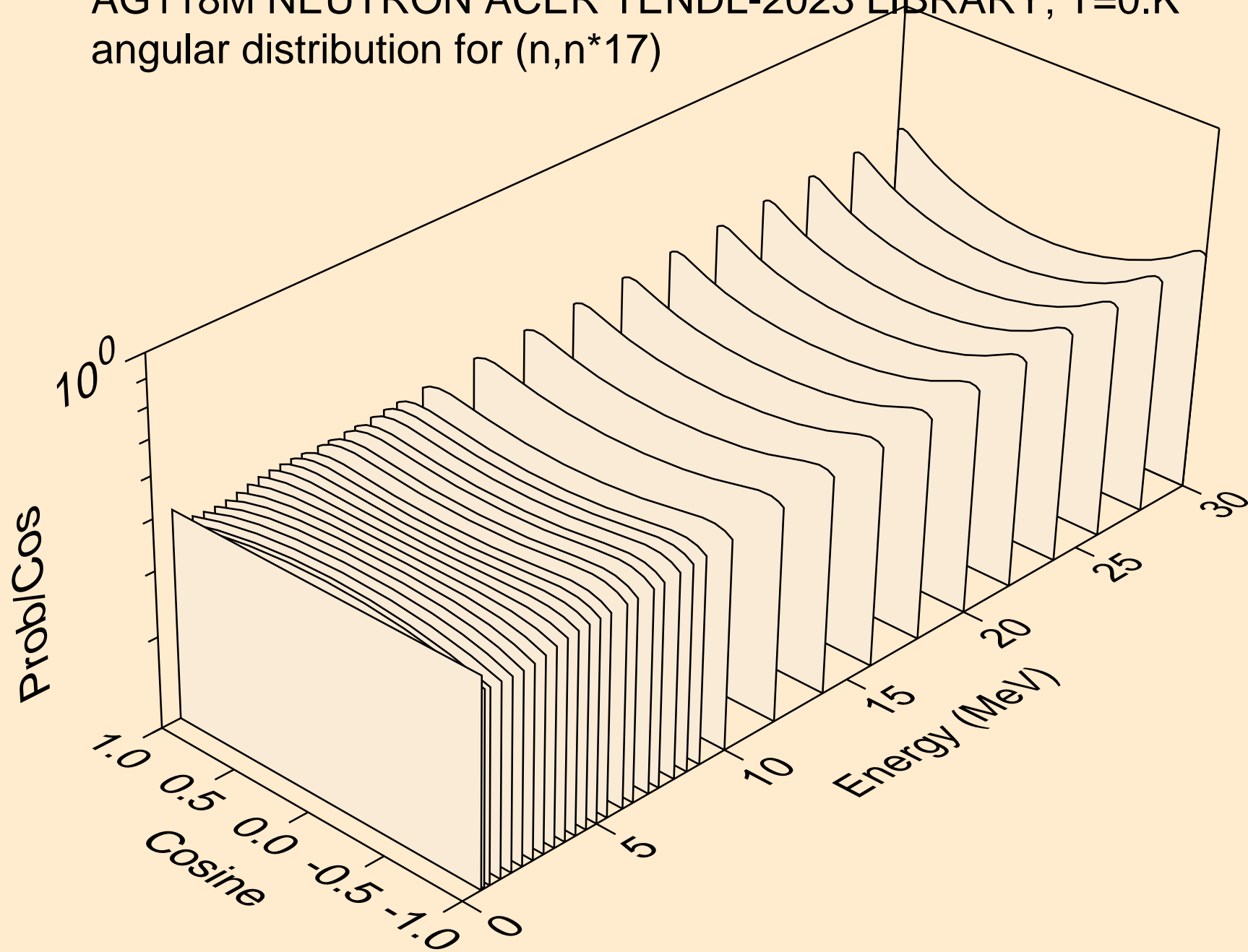
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angular distribution for (n,n\*15)



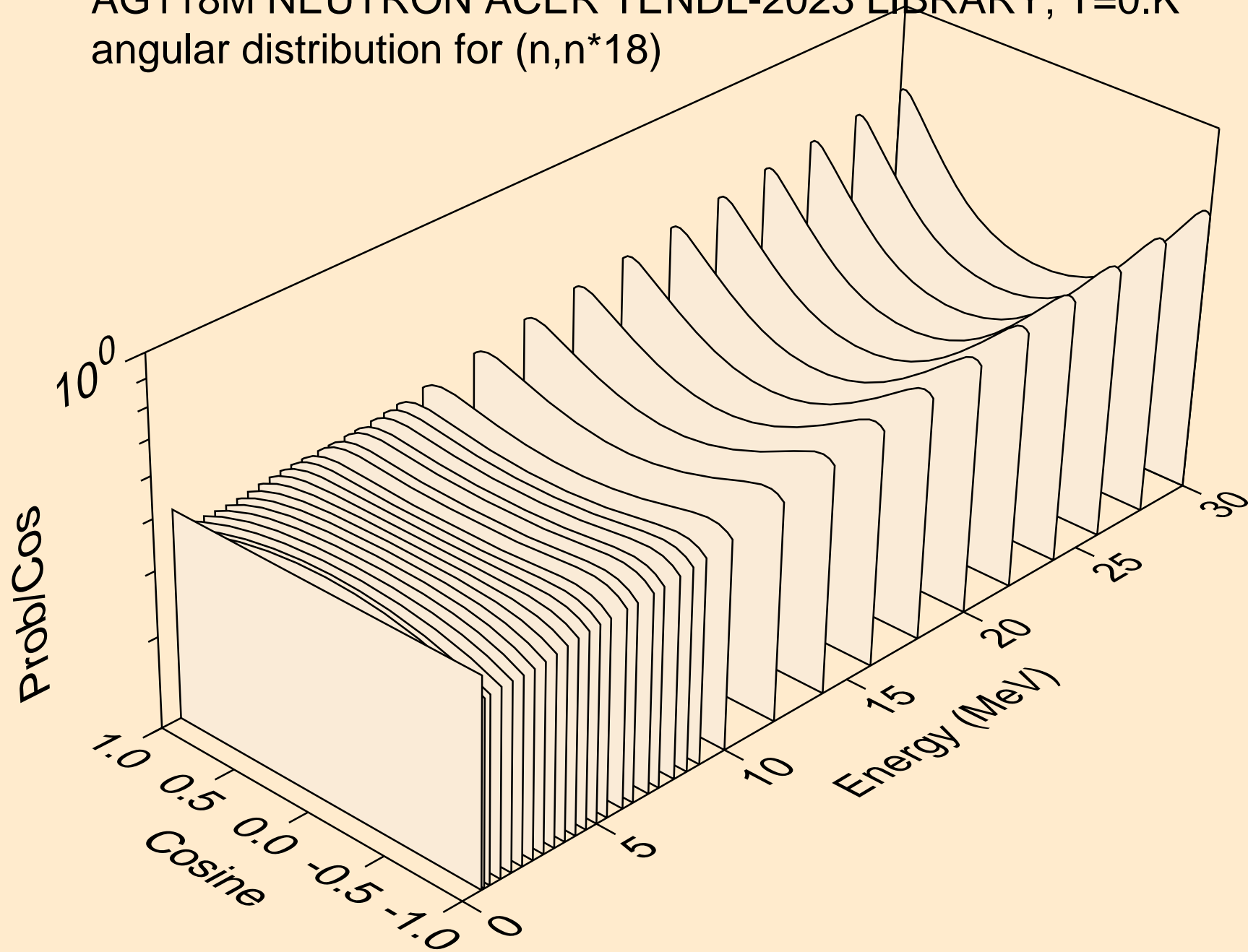
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angular distribution for (n,n\*16)



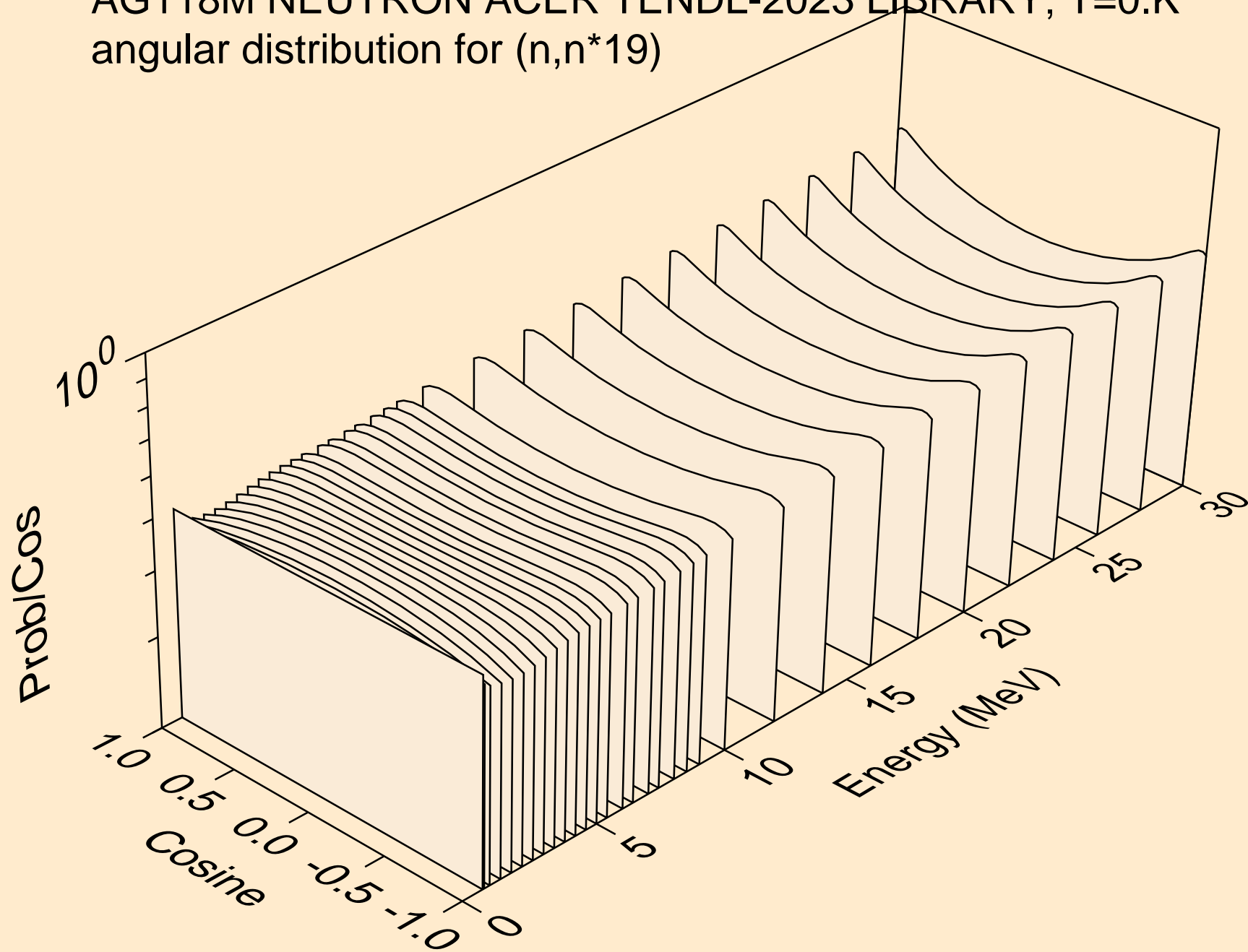
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angular distribution for (n,n\*17)



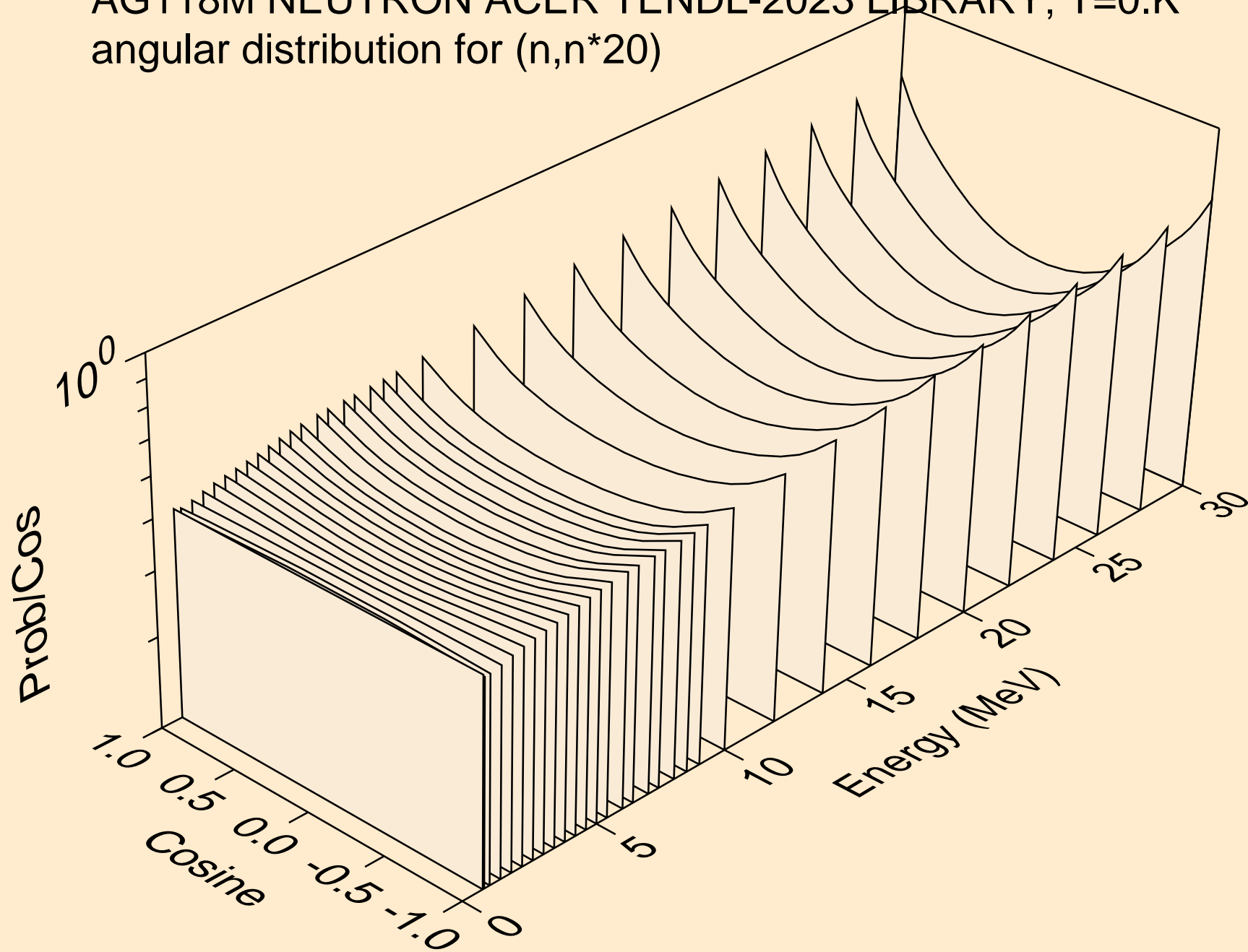
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angular distribution for (n,n\*18)



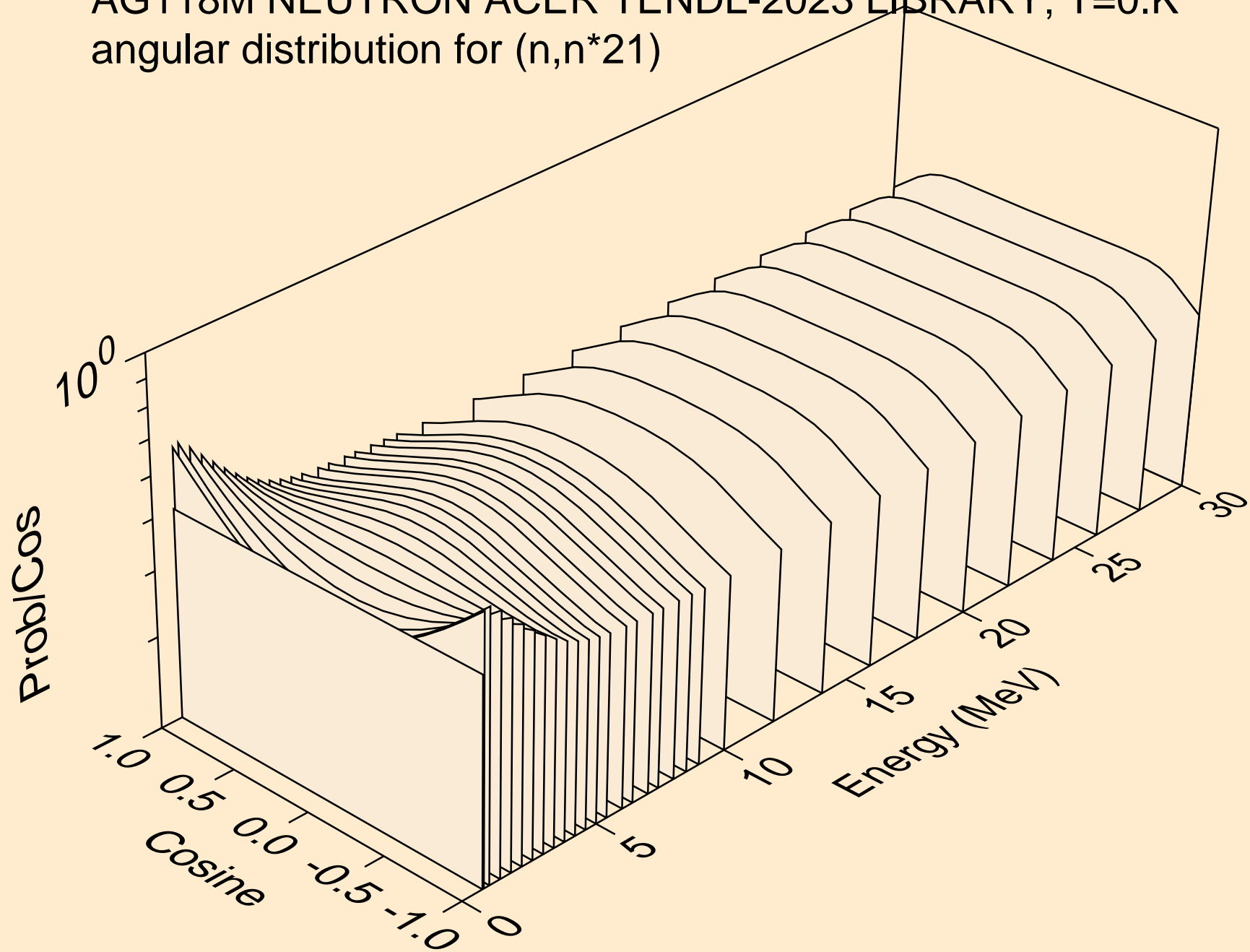
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*20)

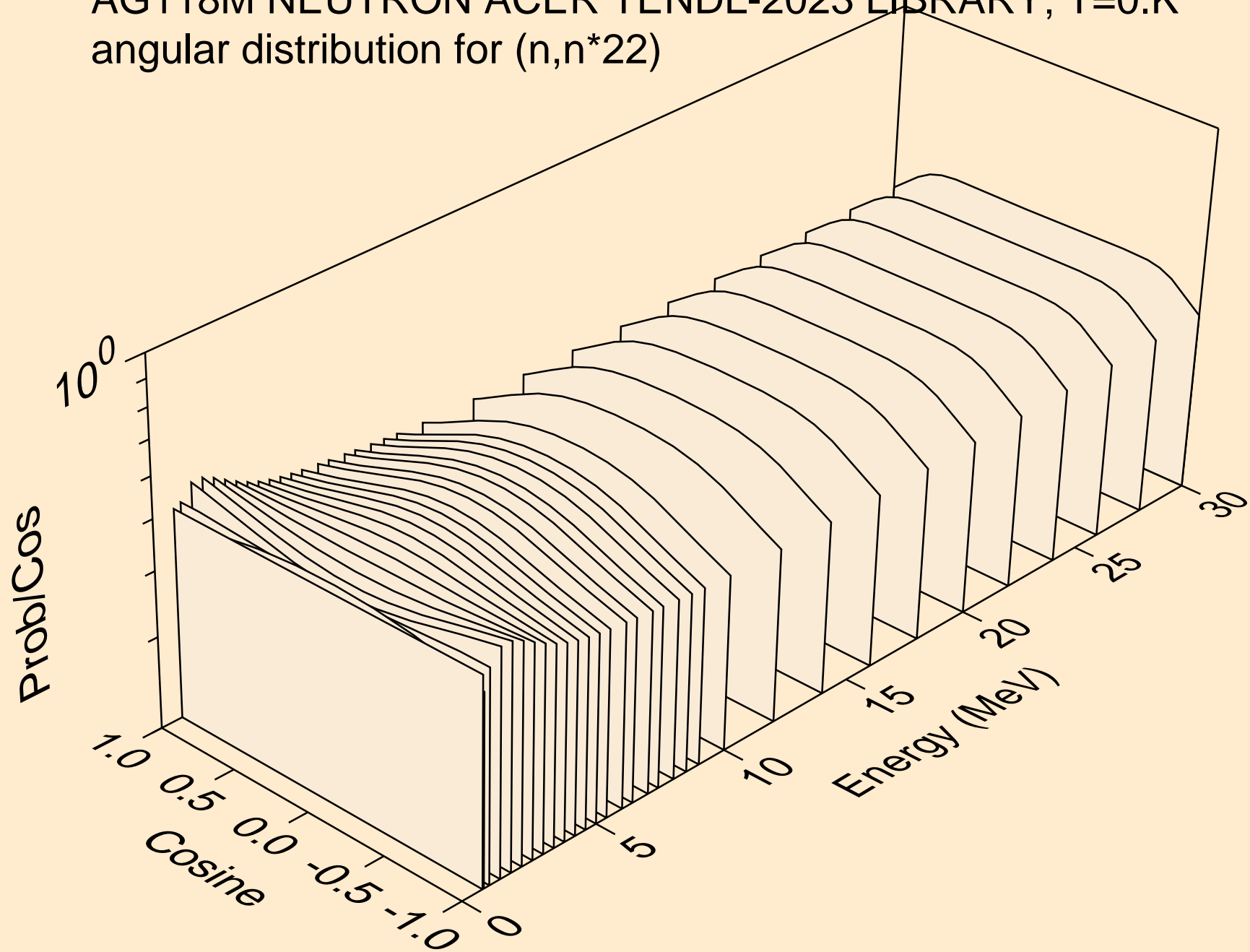


AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*21)

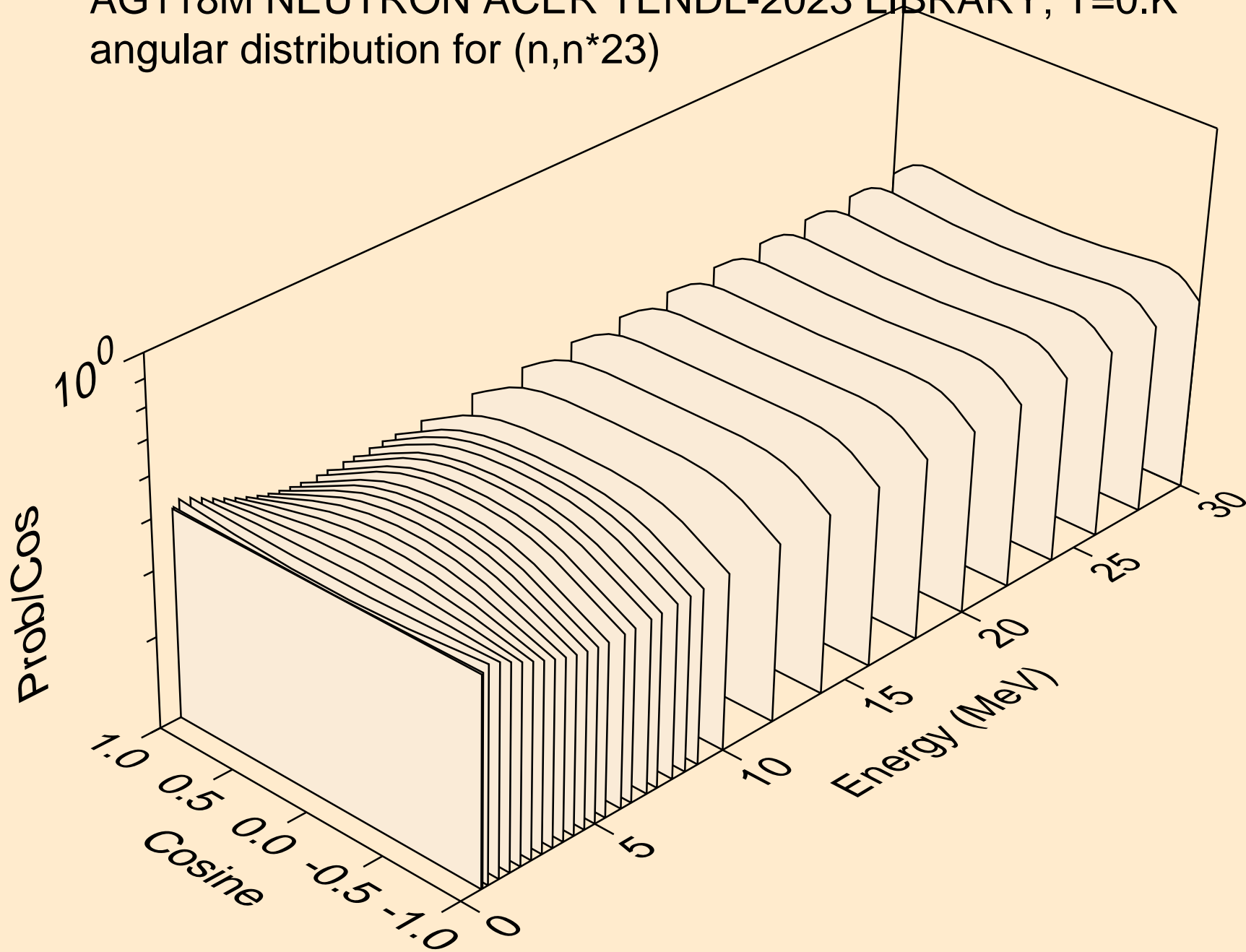




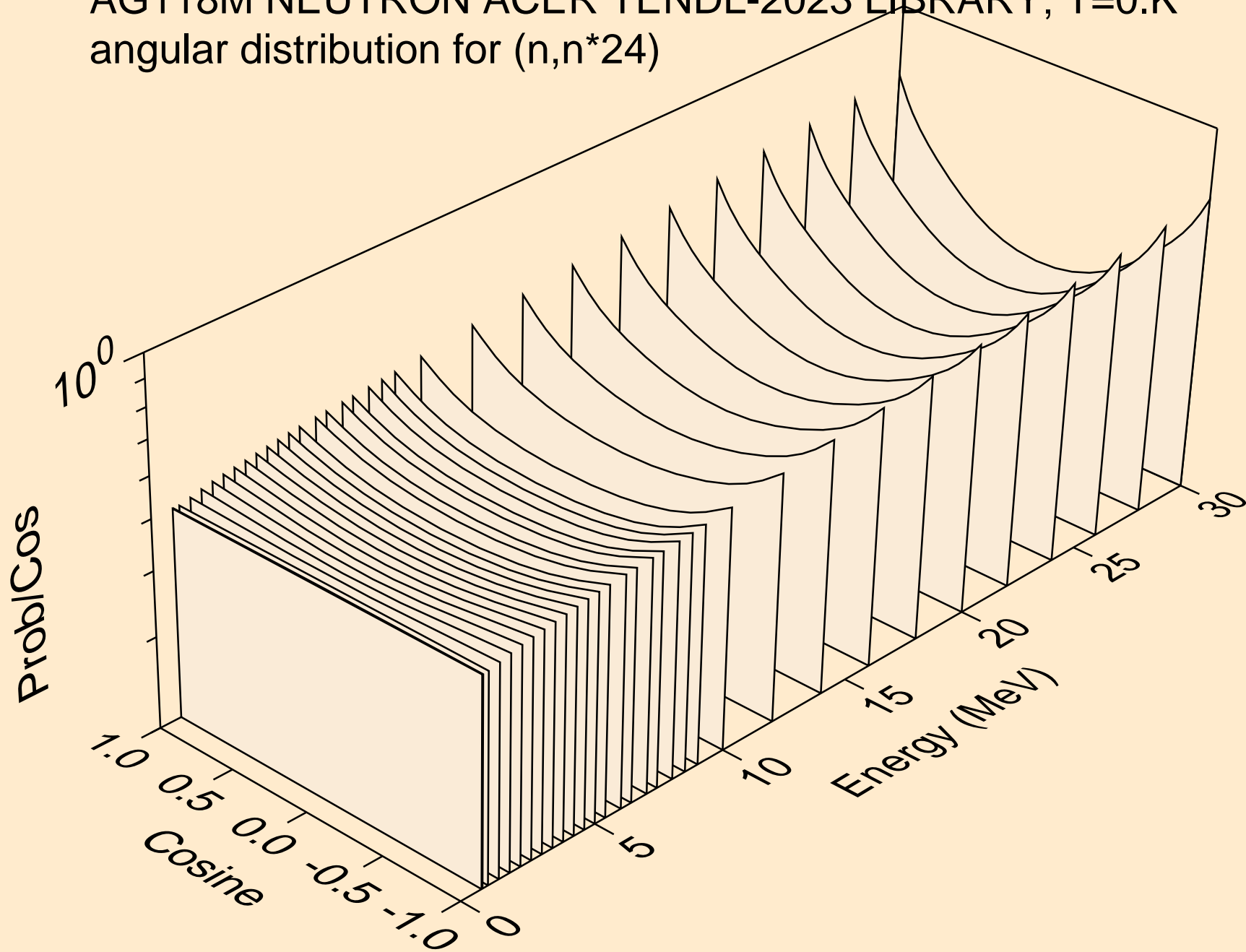
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angular distribution for (n,n\*22)



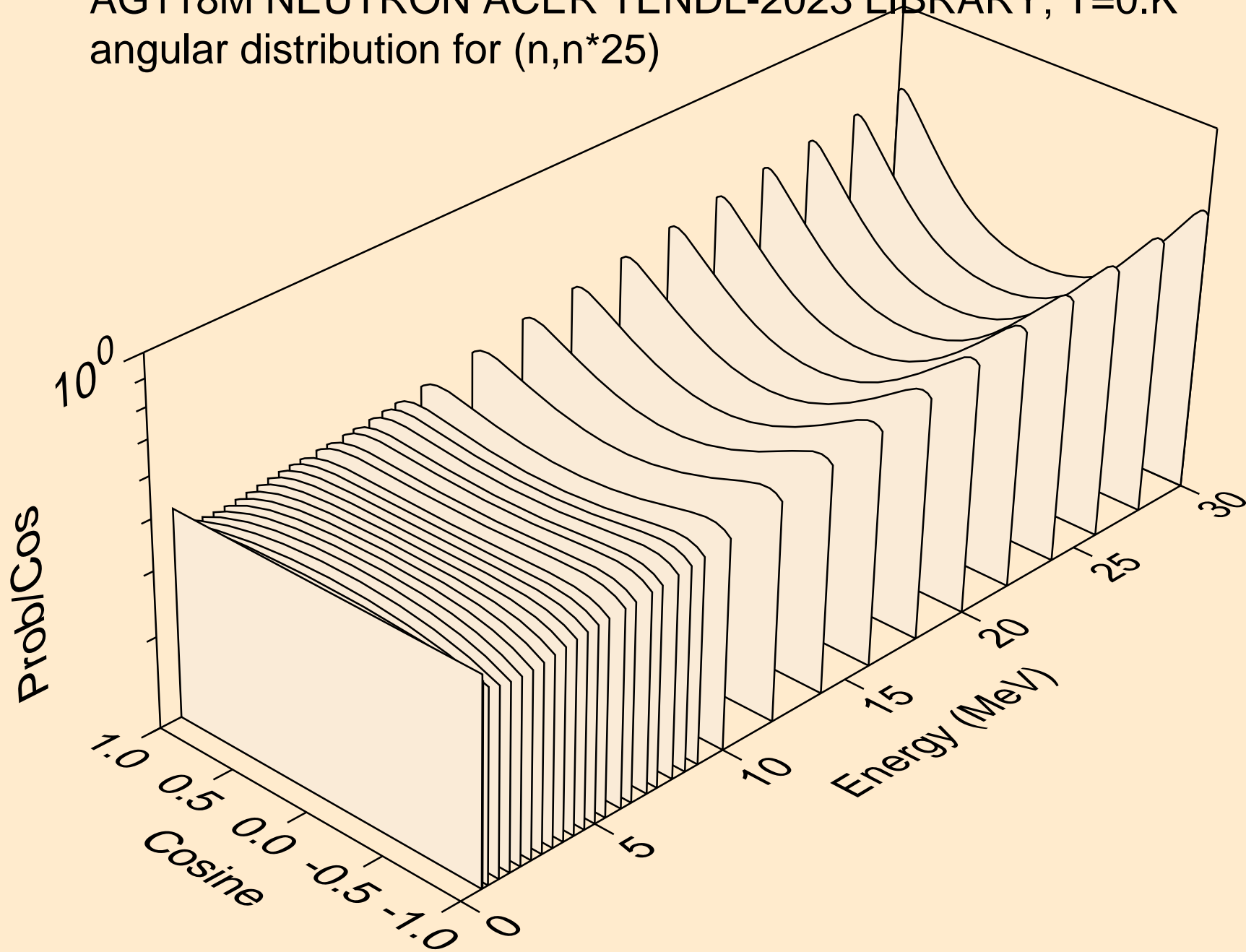
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angular distribution for (n,n\*23)



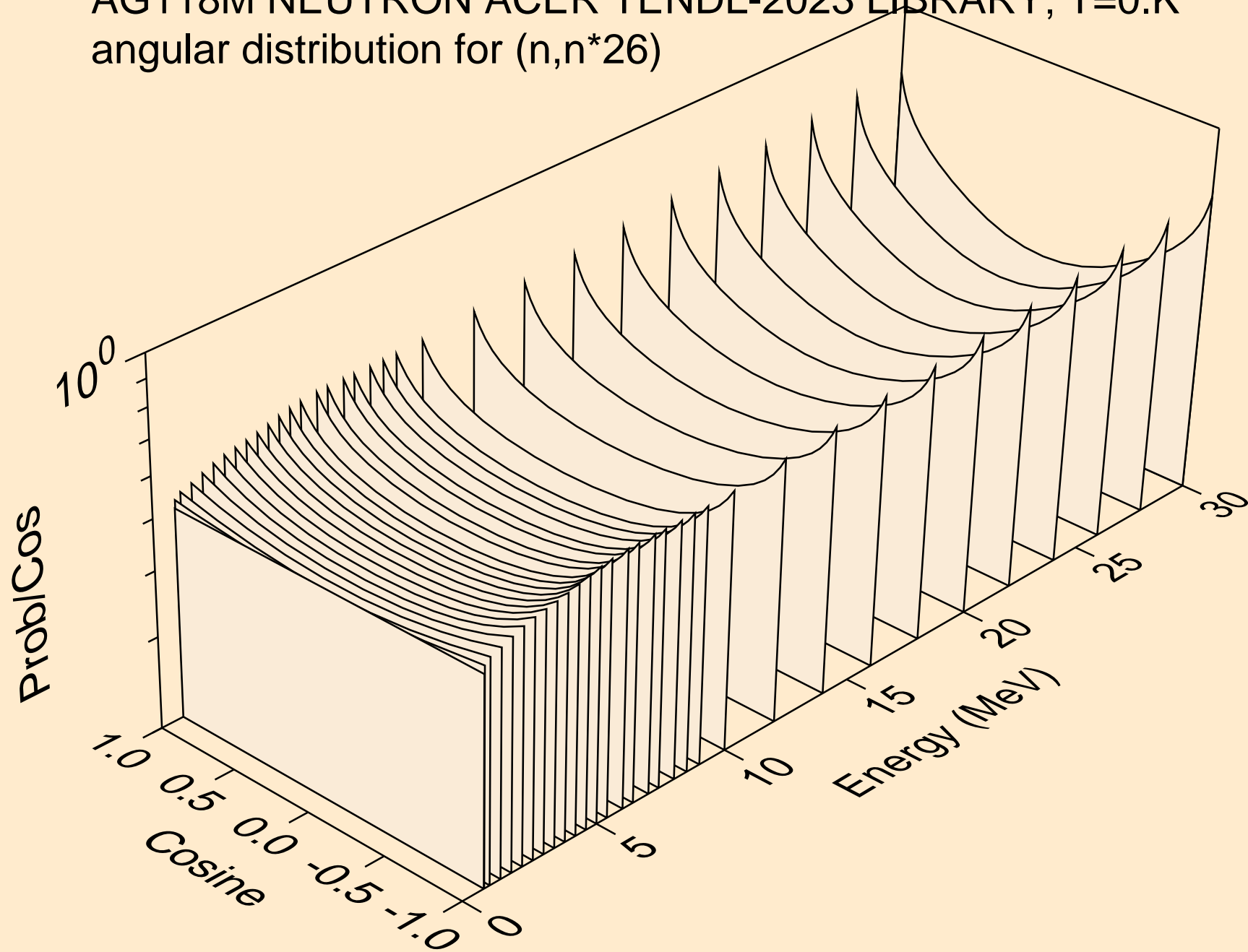
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angular distribution for (n,n\*24)



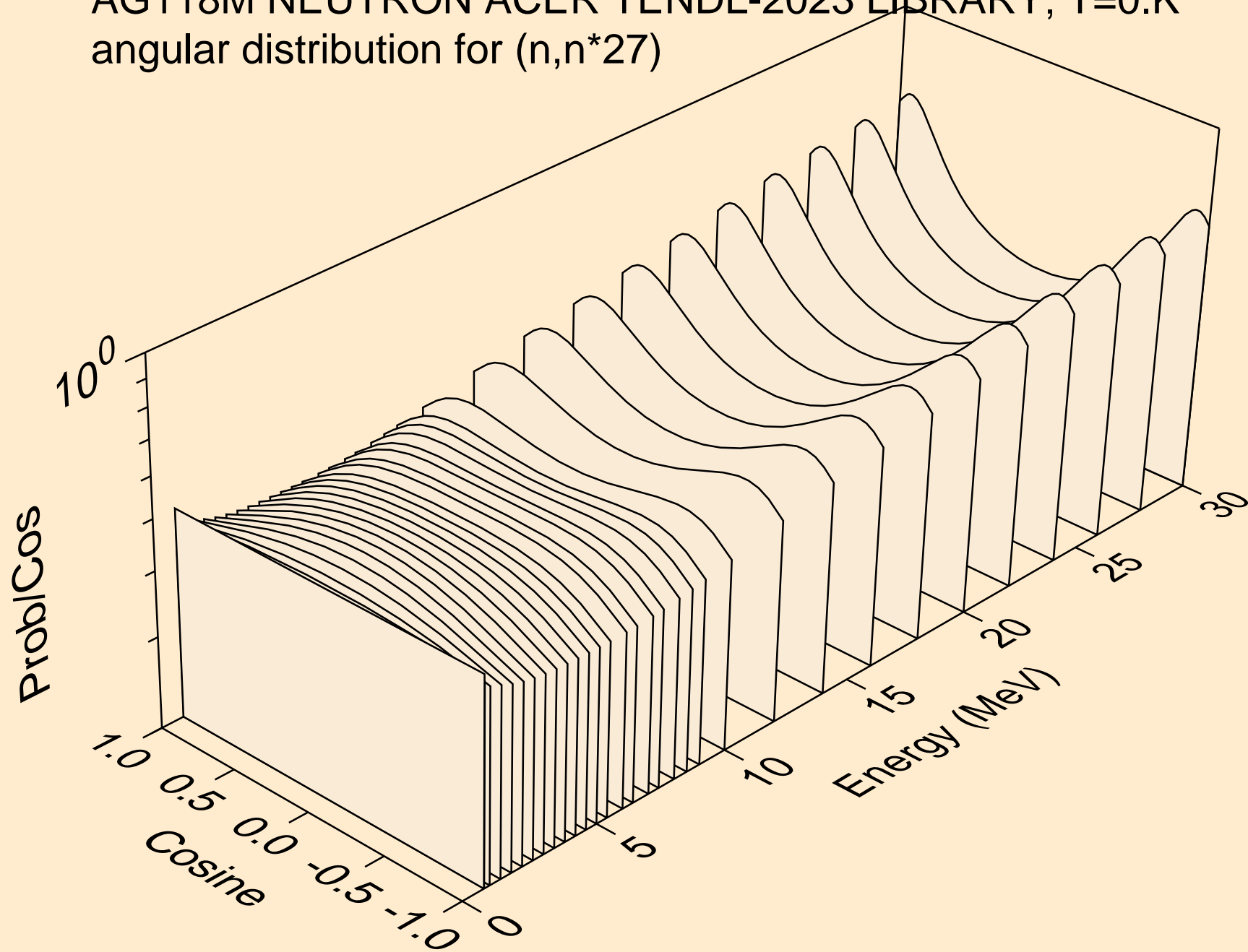
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angular distribution for (n,n\*25)



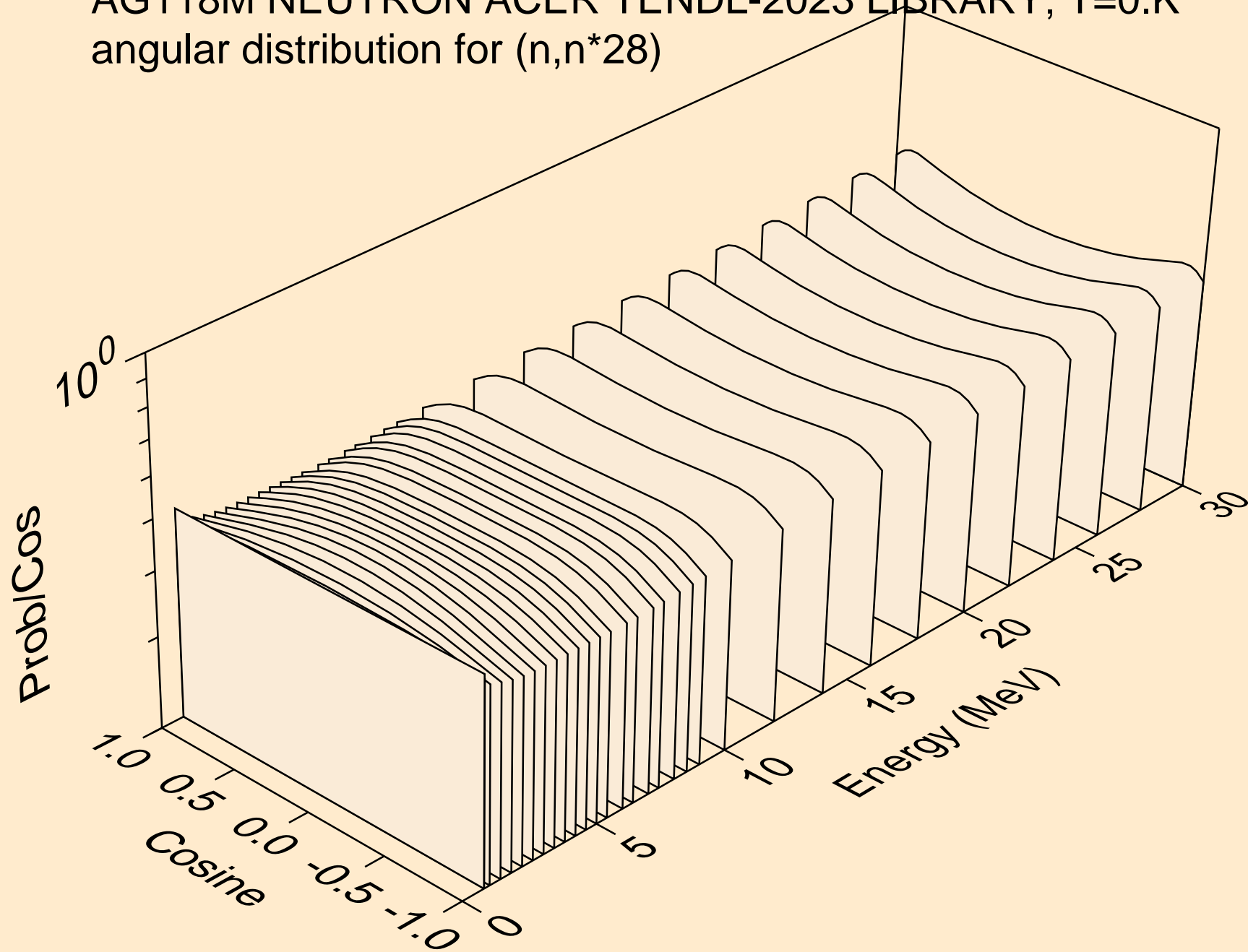
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angular distribution for (n,n\*26)



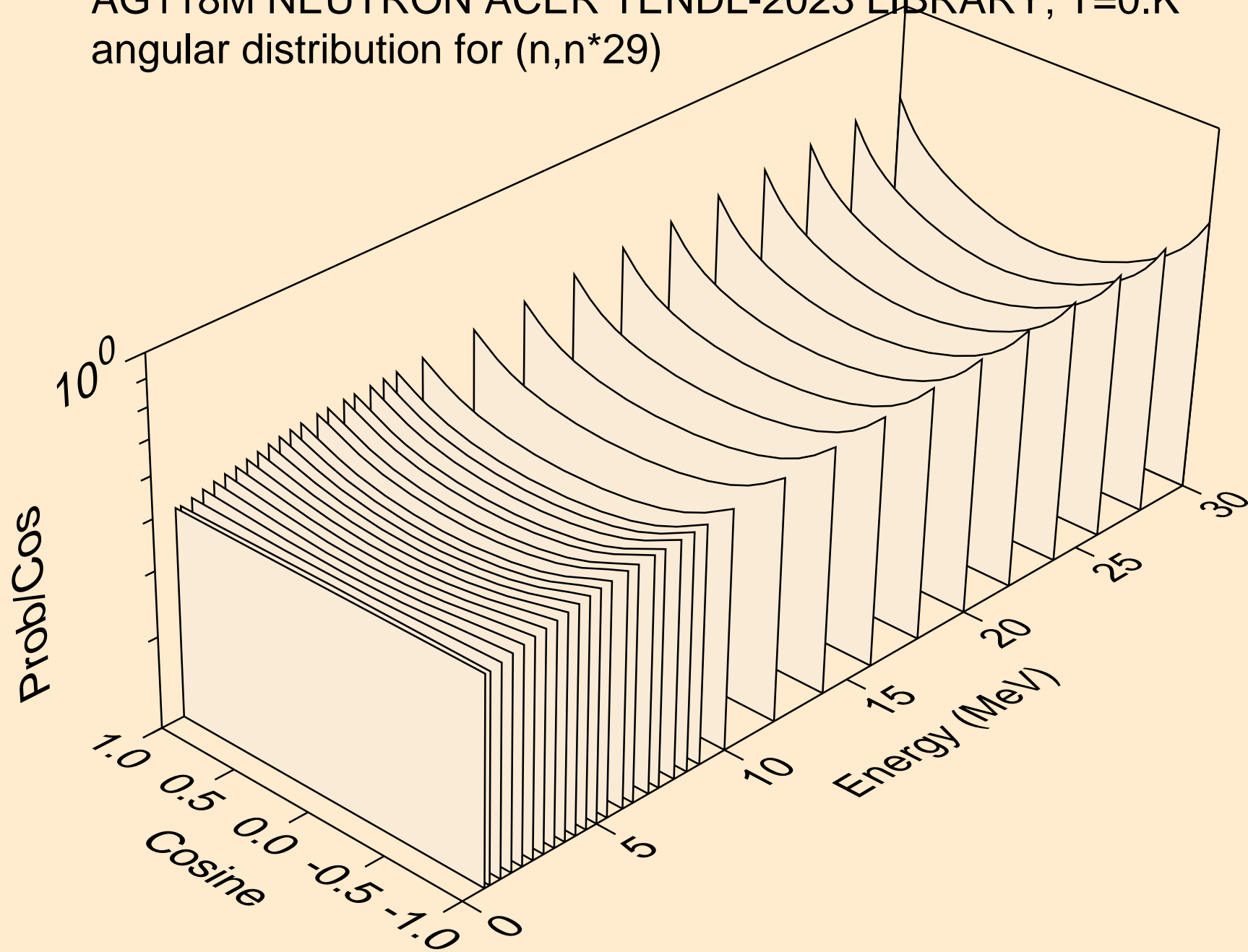
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*27)



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*28)

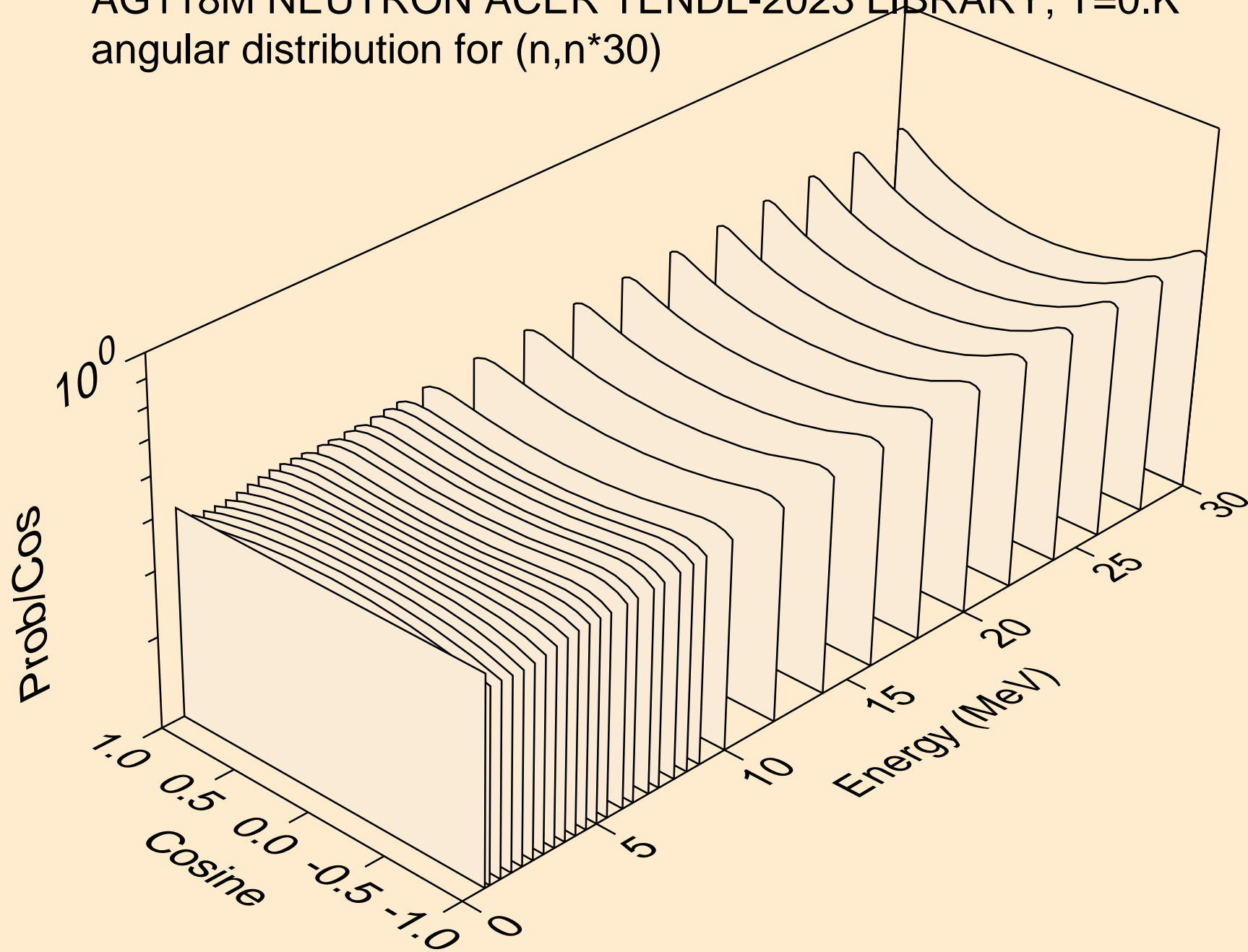


AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*29)

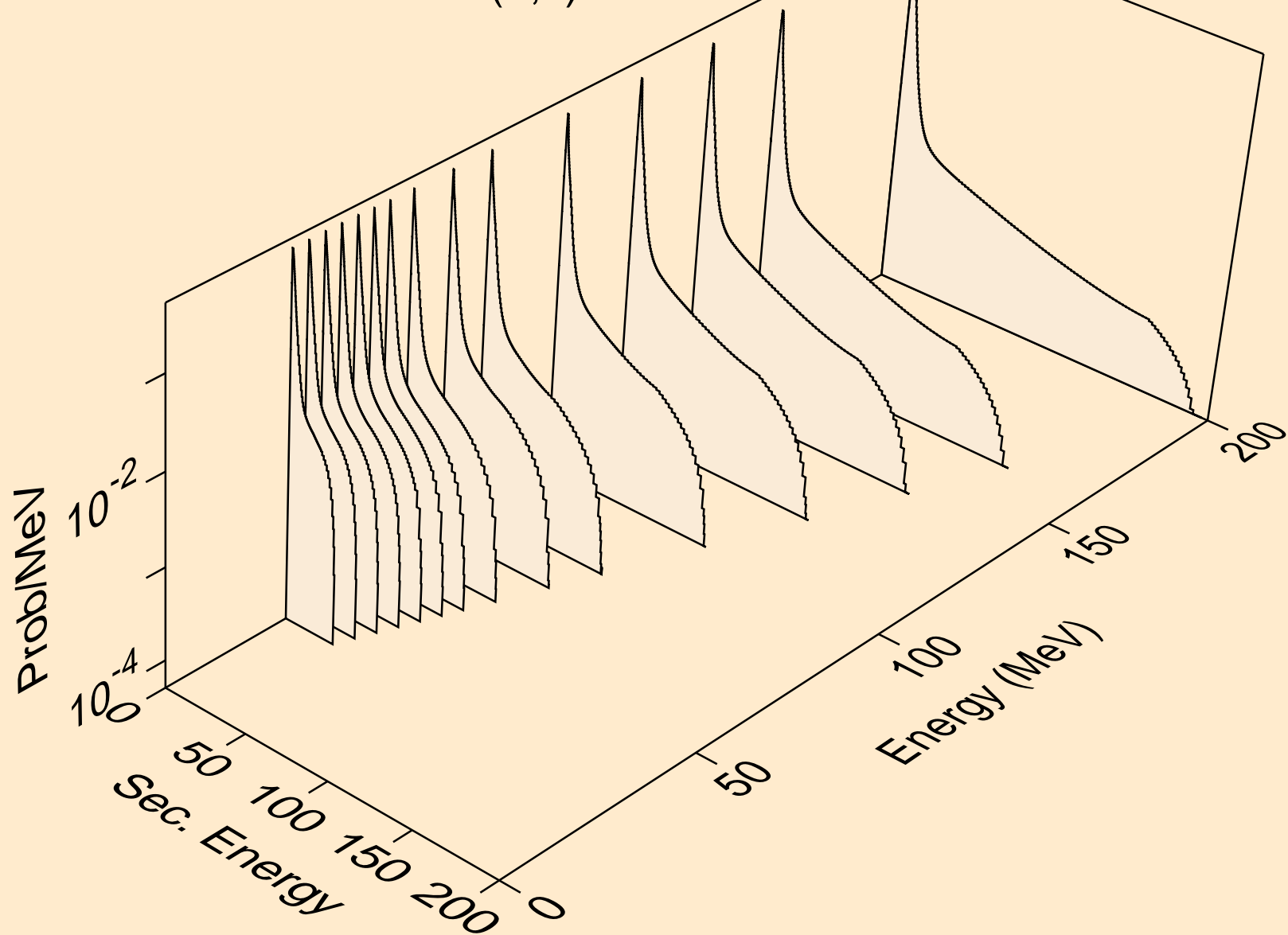




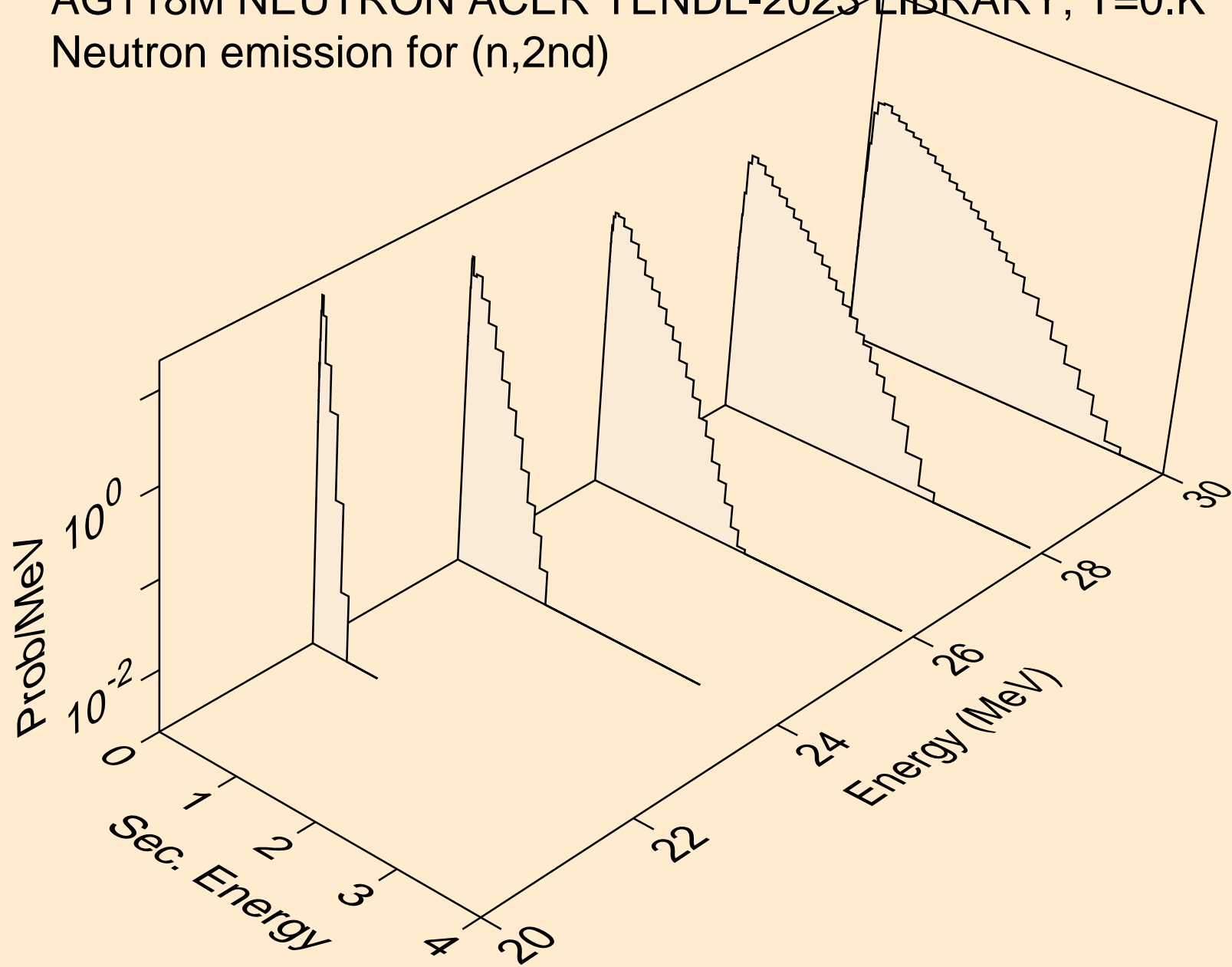
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angular distribution for (n,n\*30)



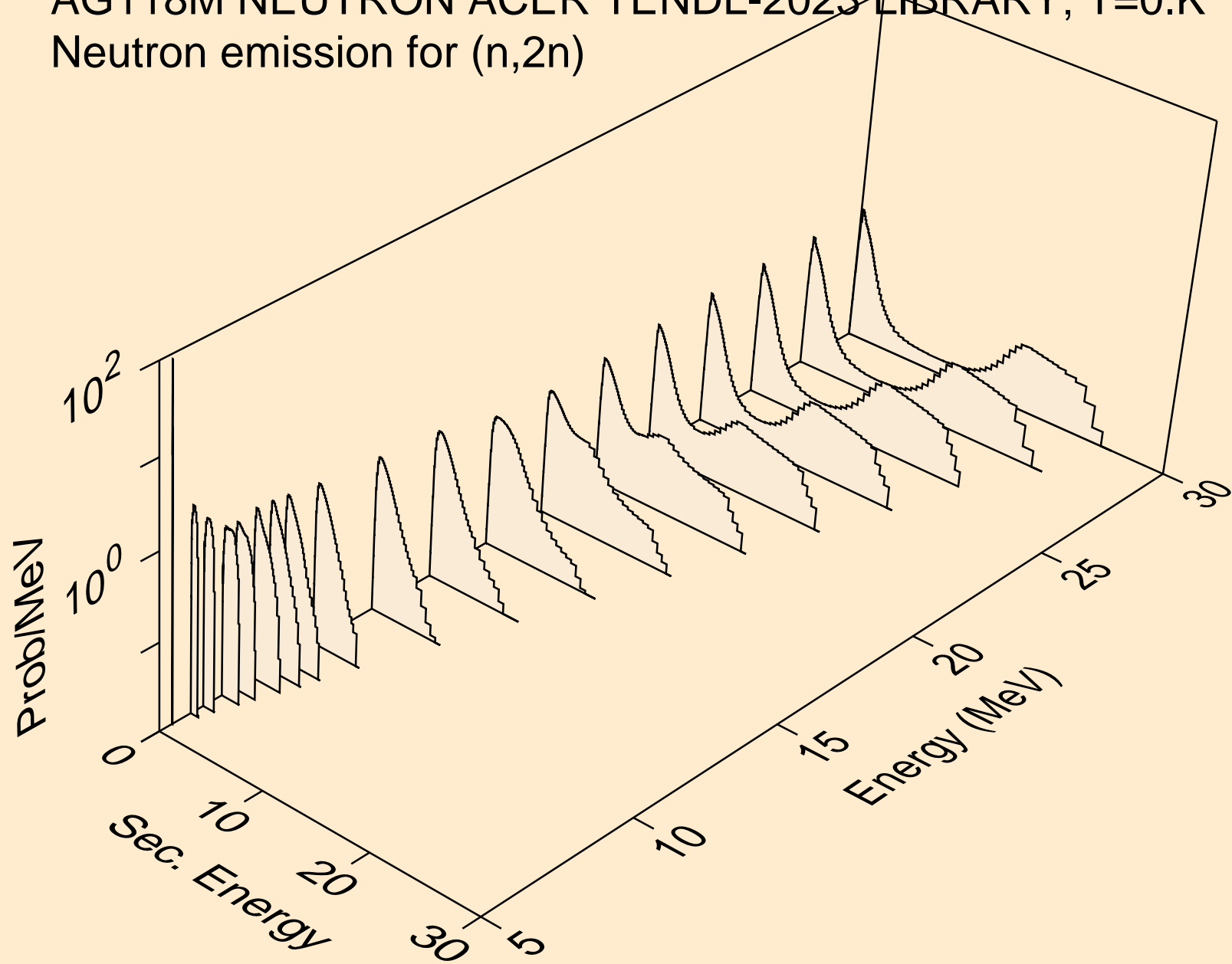
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



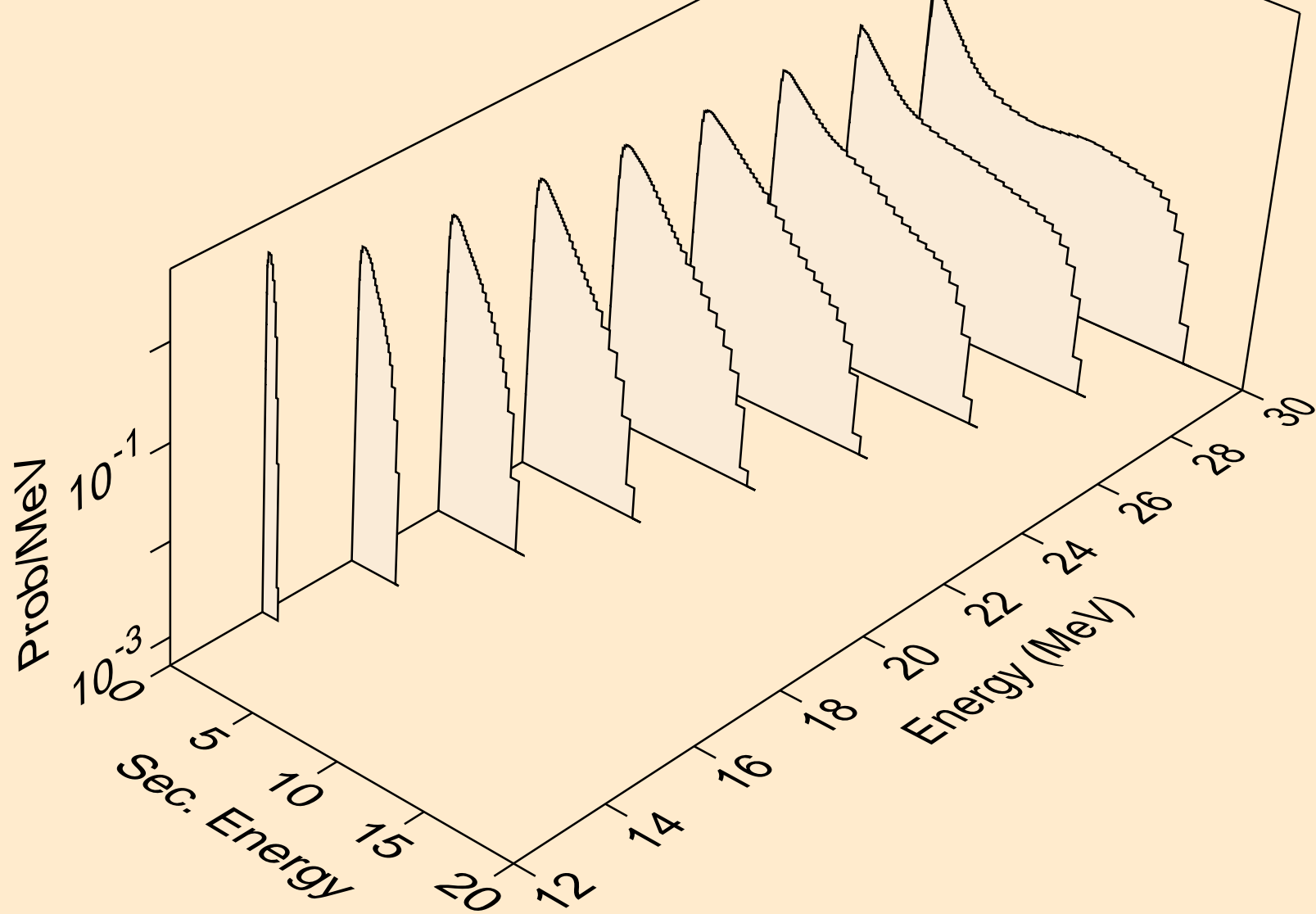
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



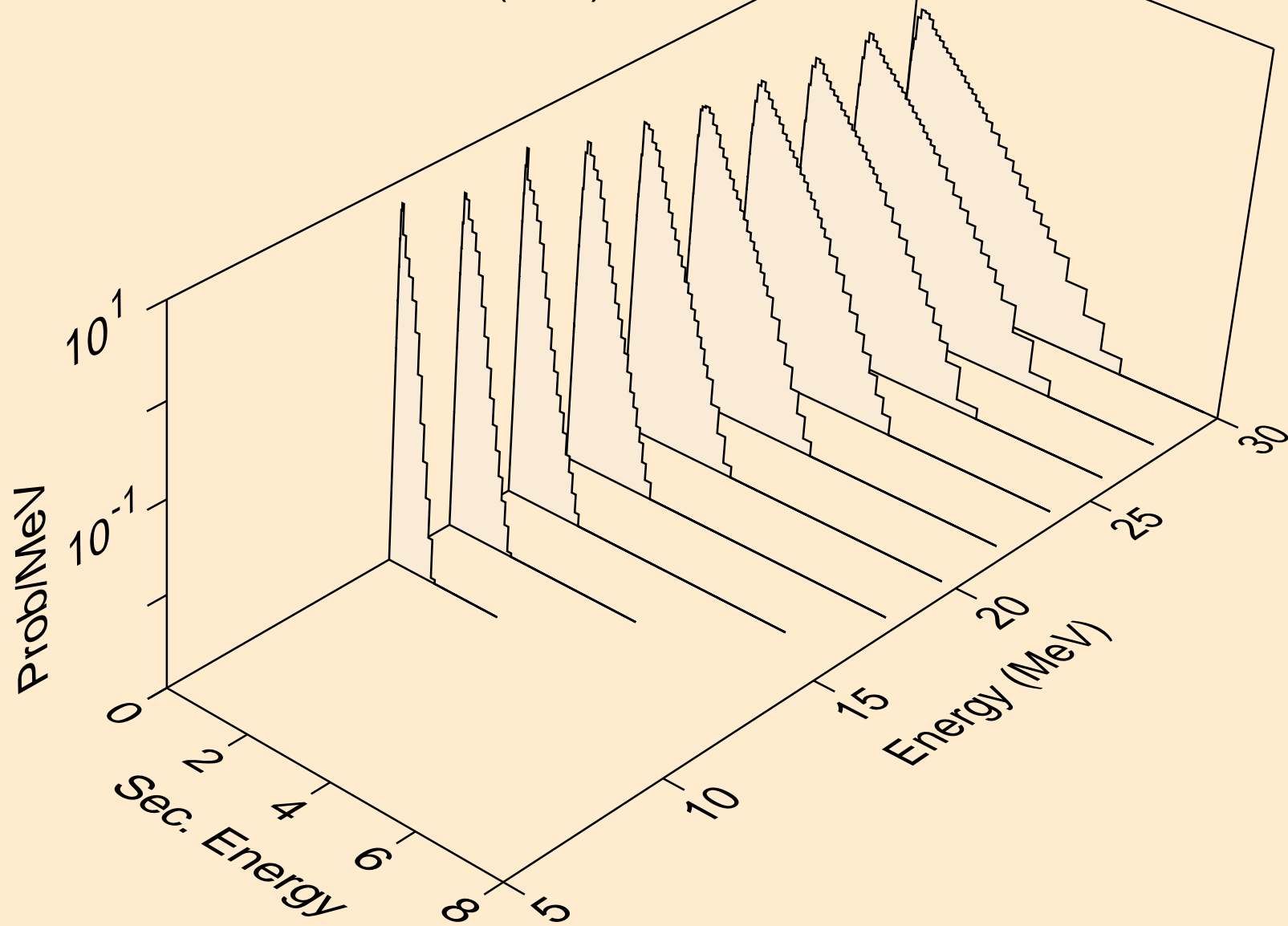
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



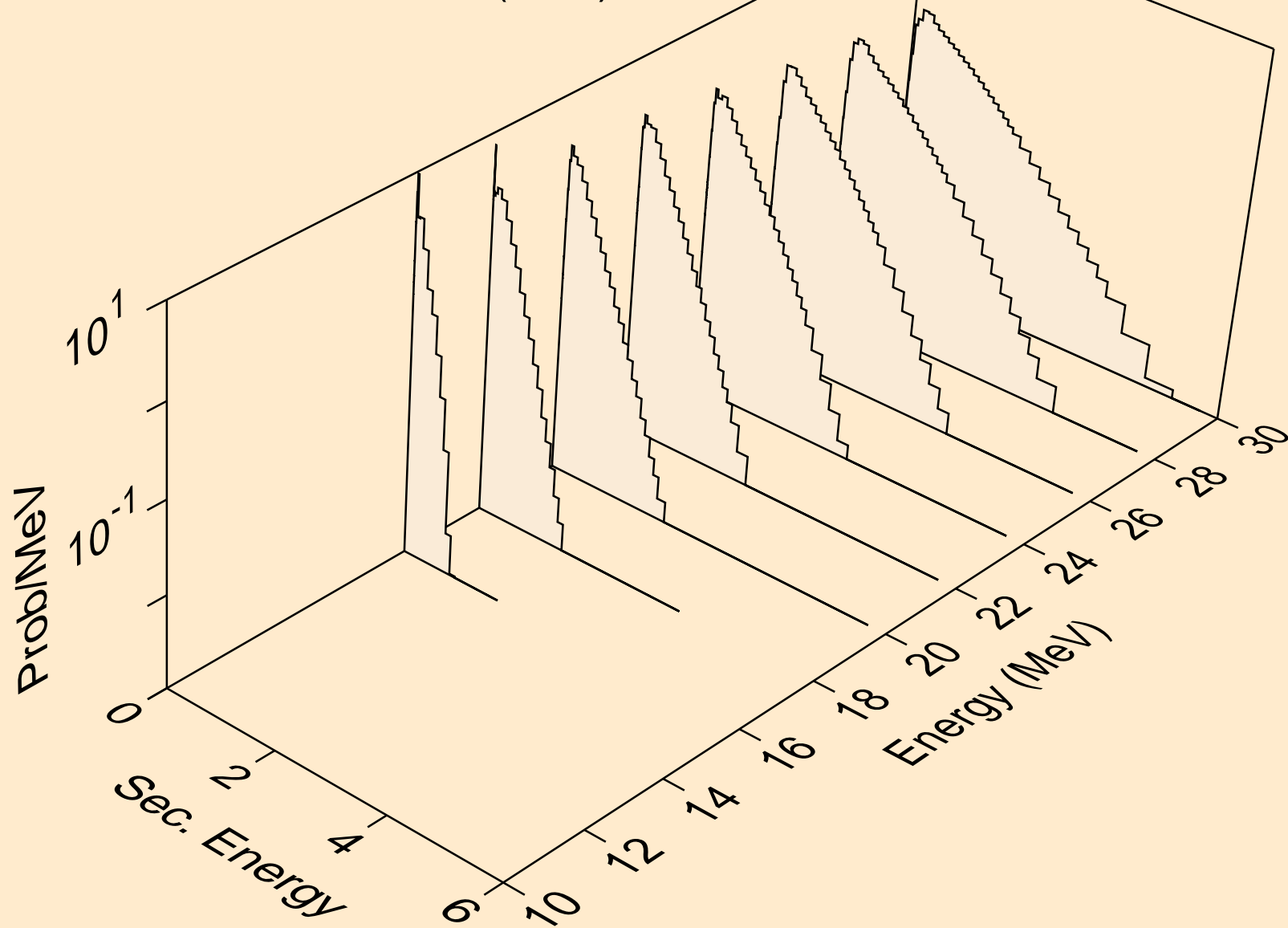
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



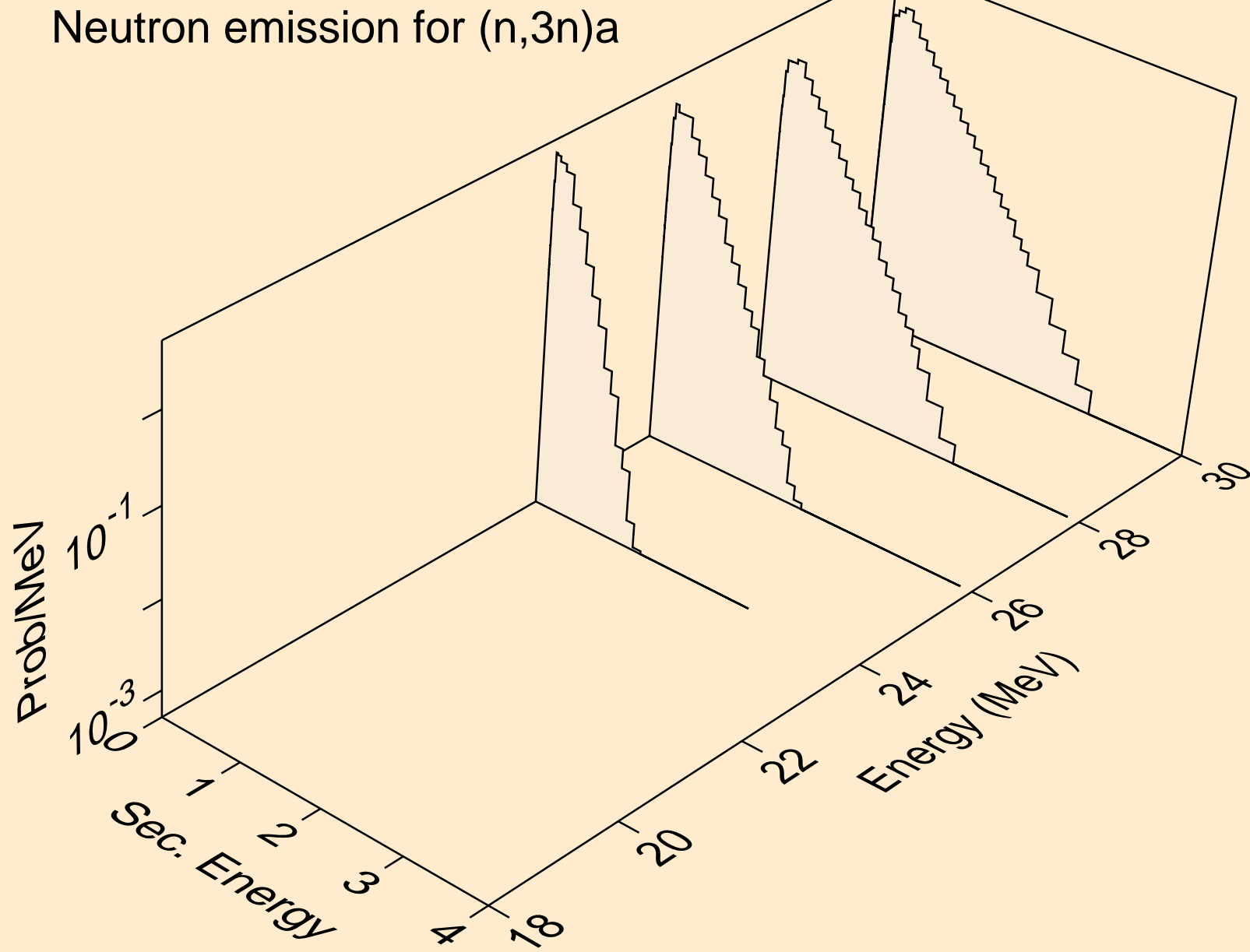
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

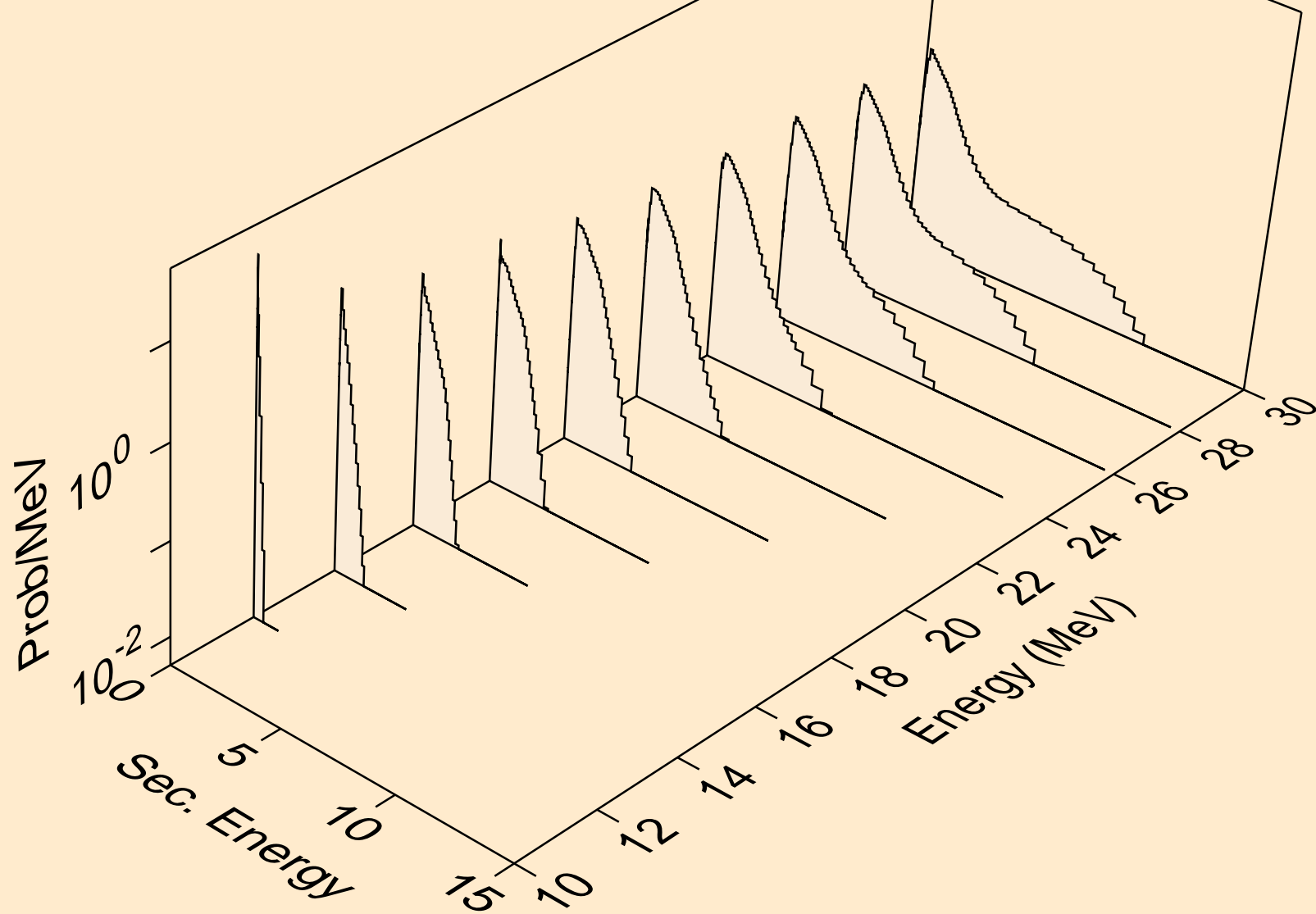


AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a

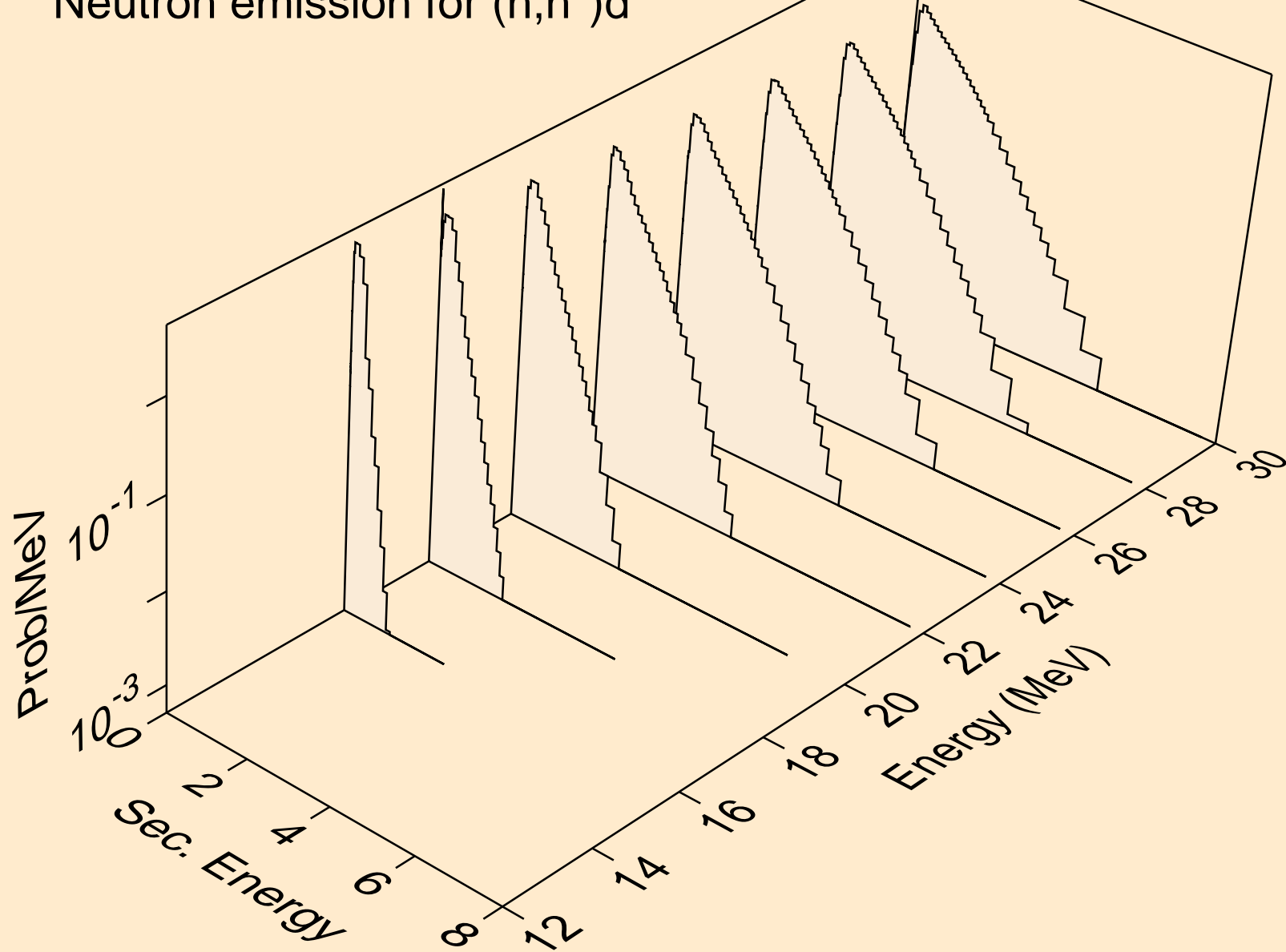




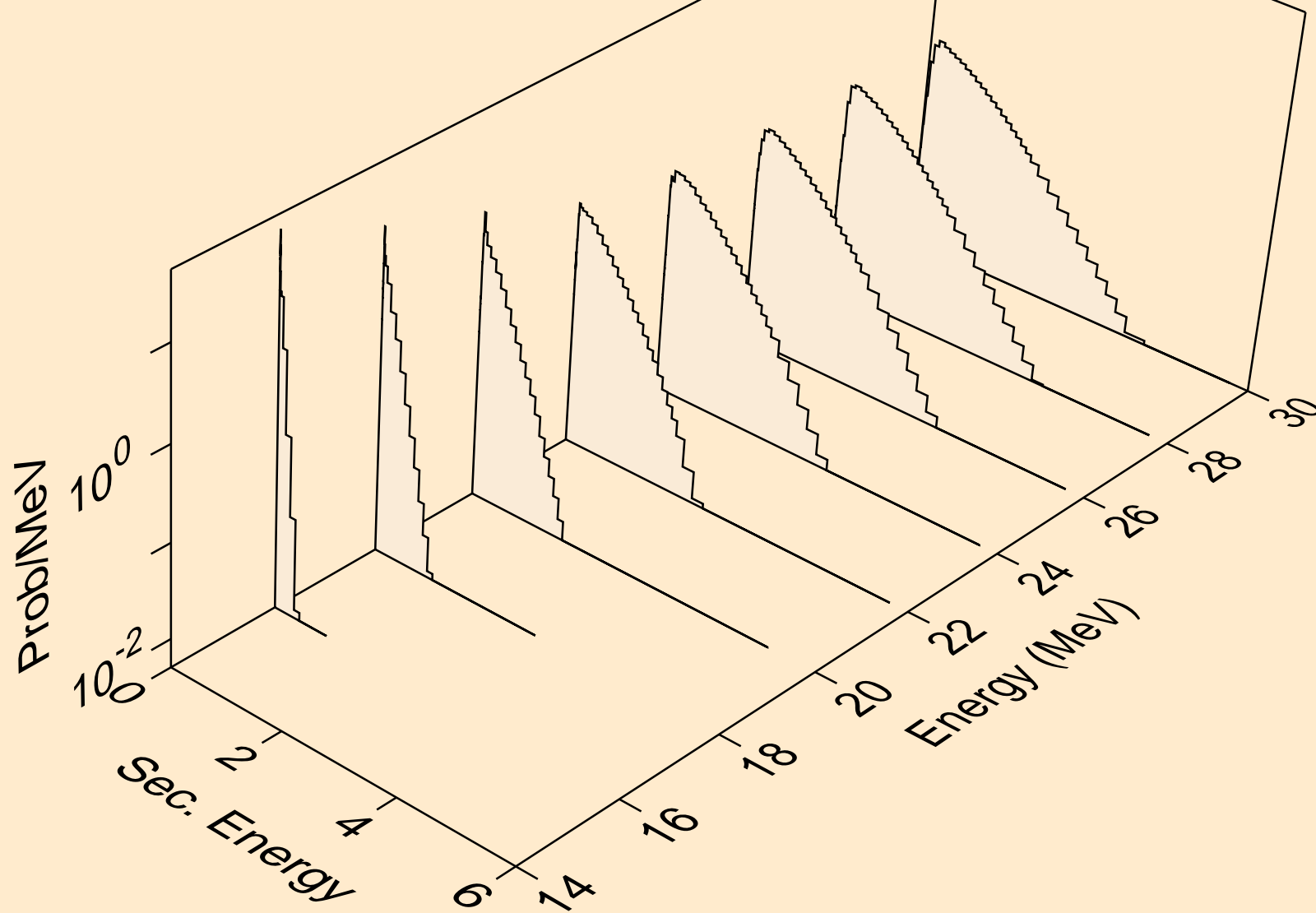
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



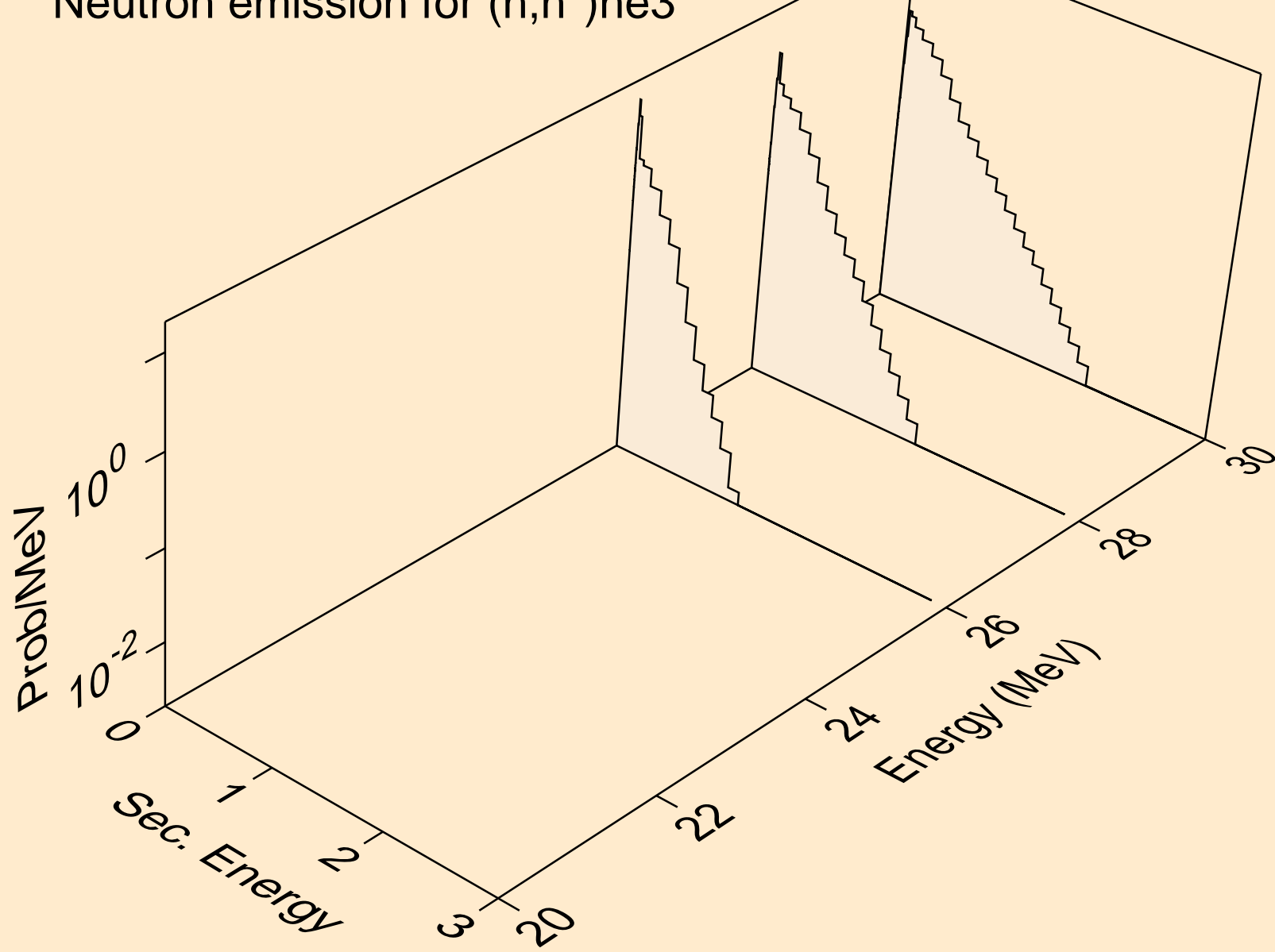
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



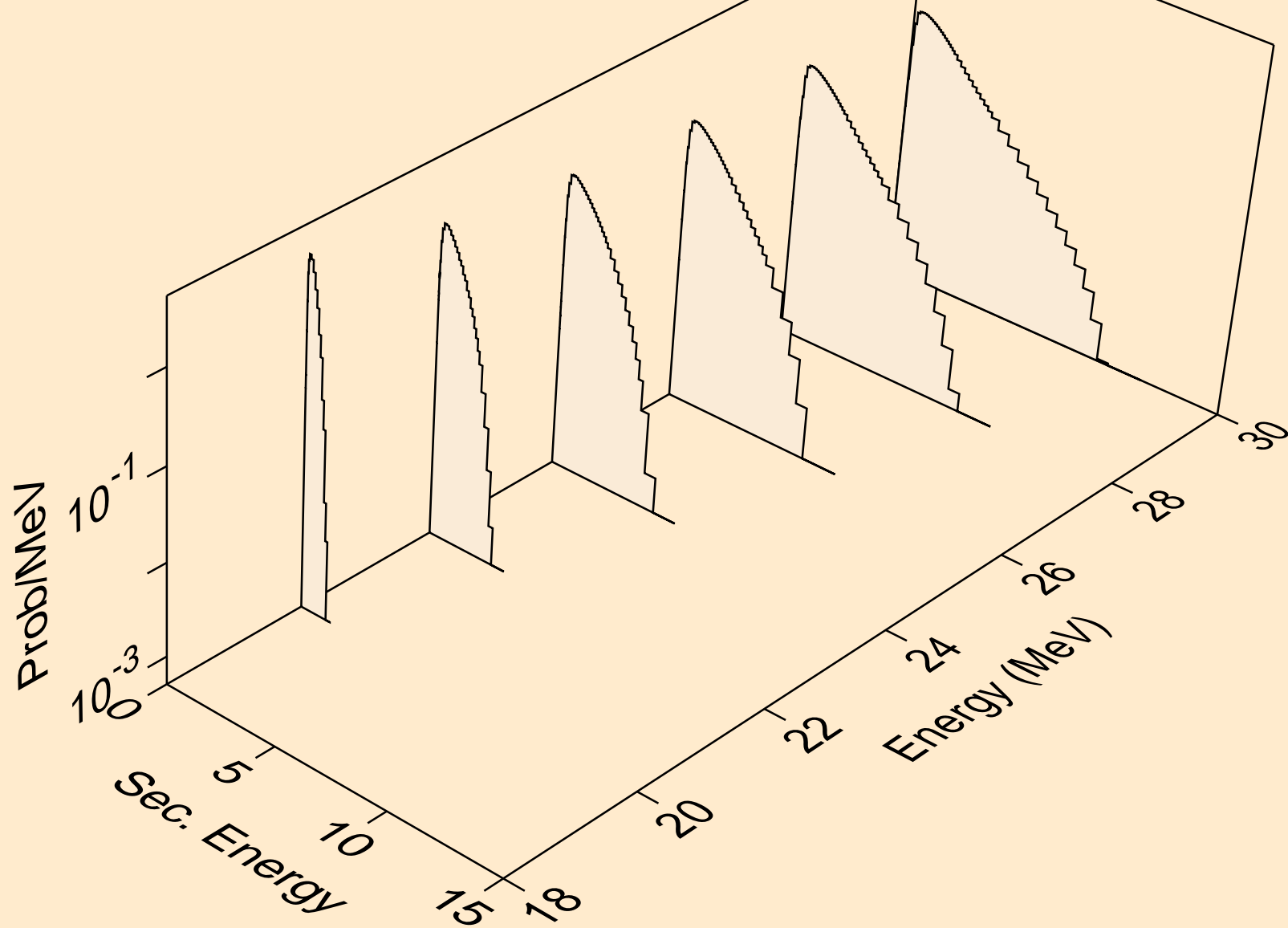
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



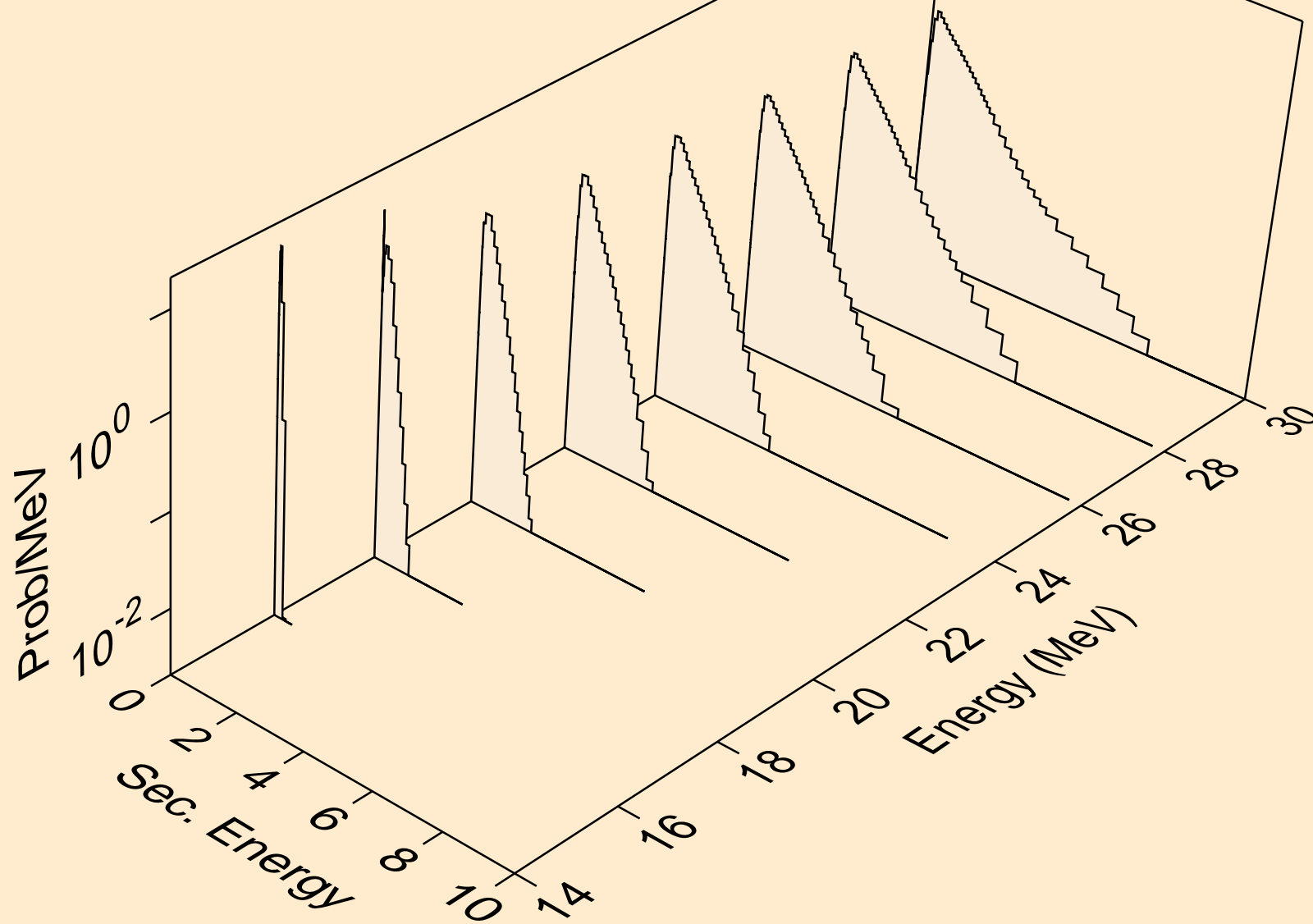
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



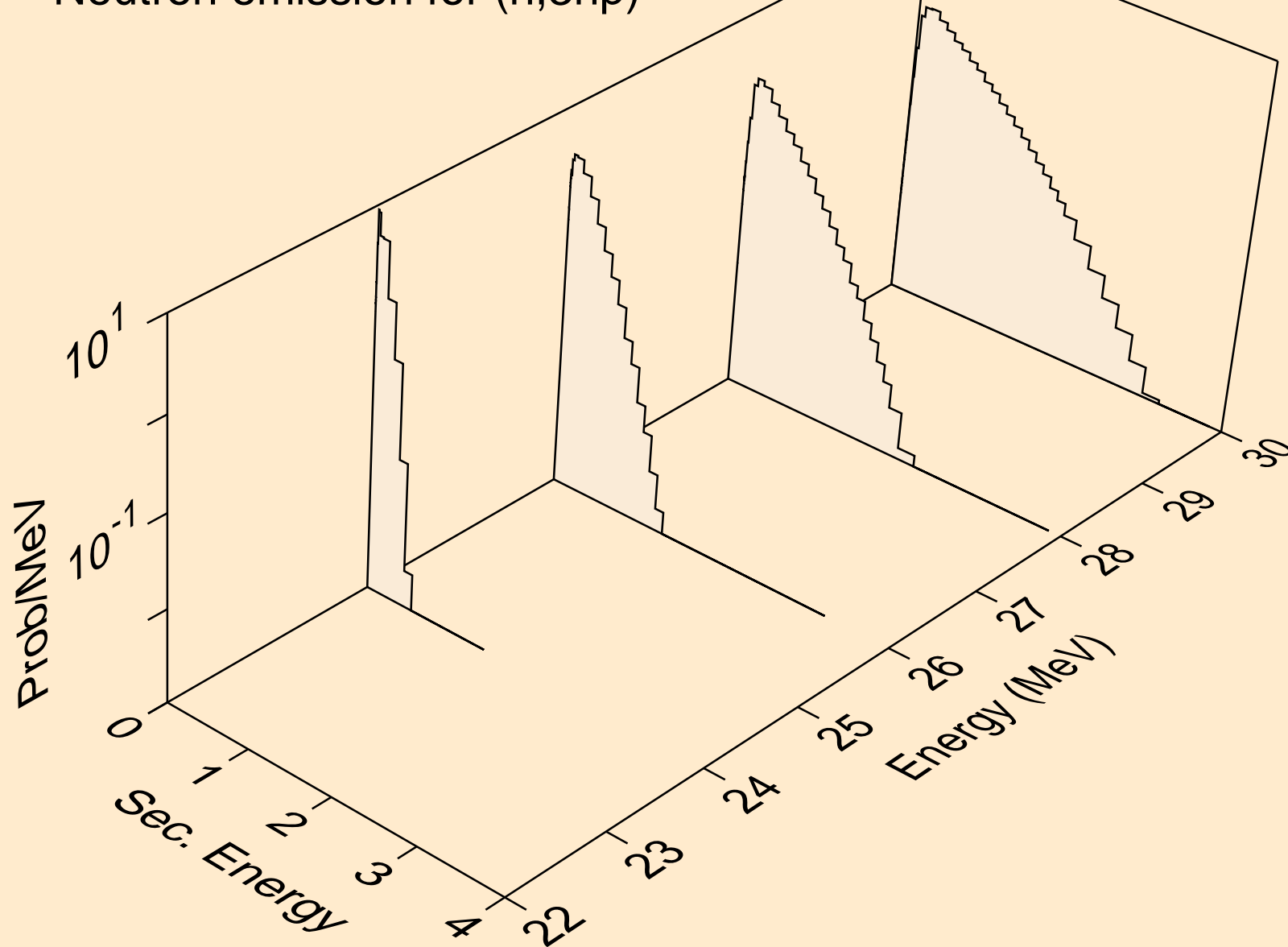
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Neutron emission for (n,4n)



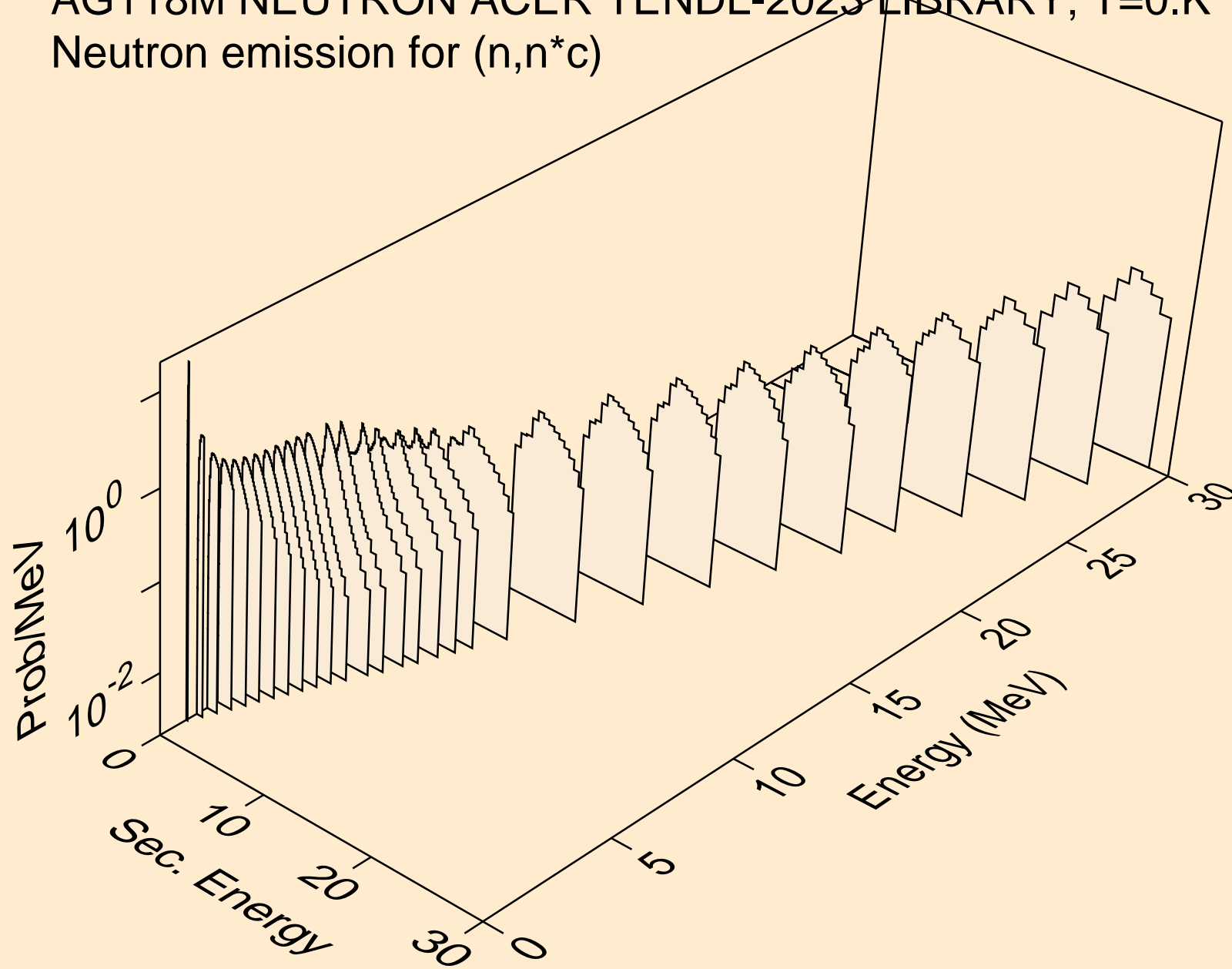
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)

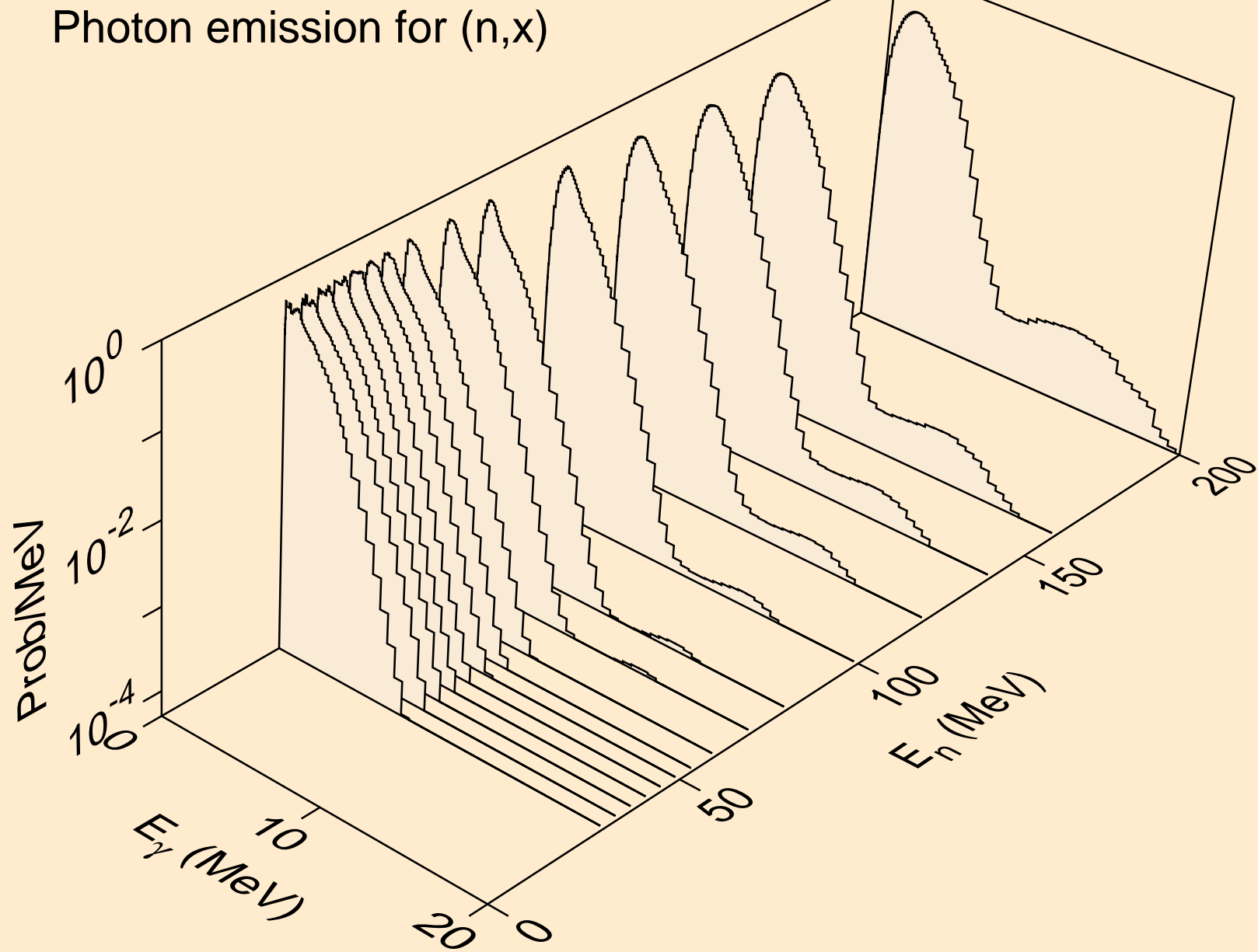


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Neutron emission for (n,n\*c)

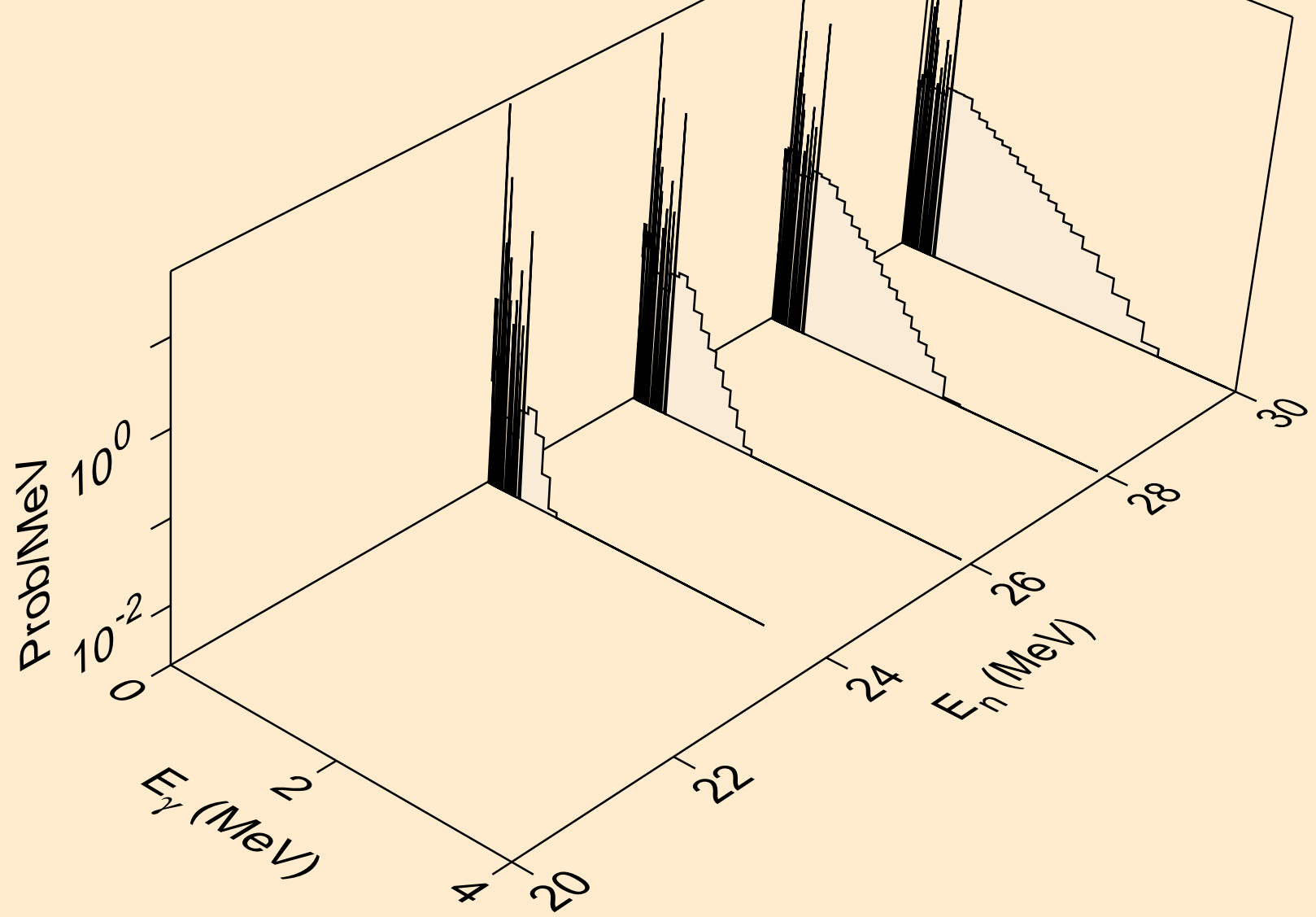




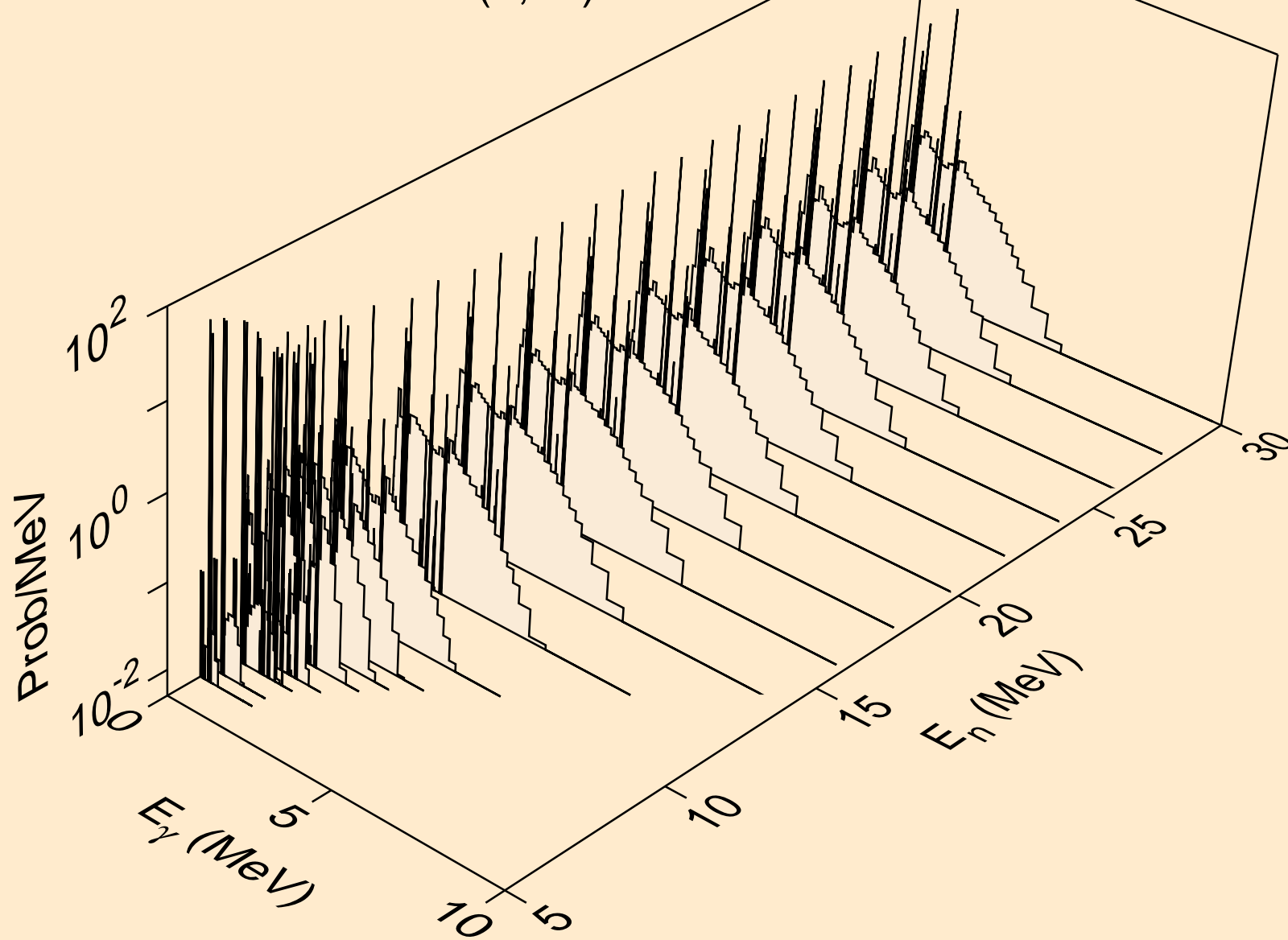
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Photon emission for (n,x)



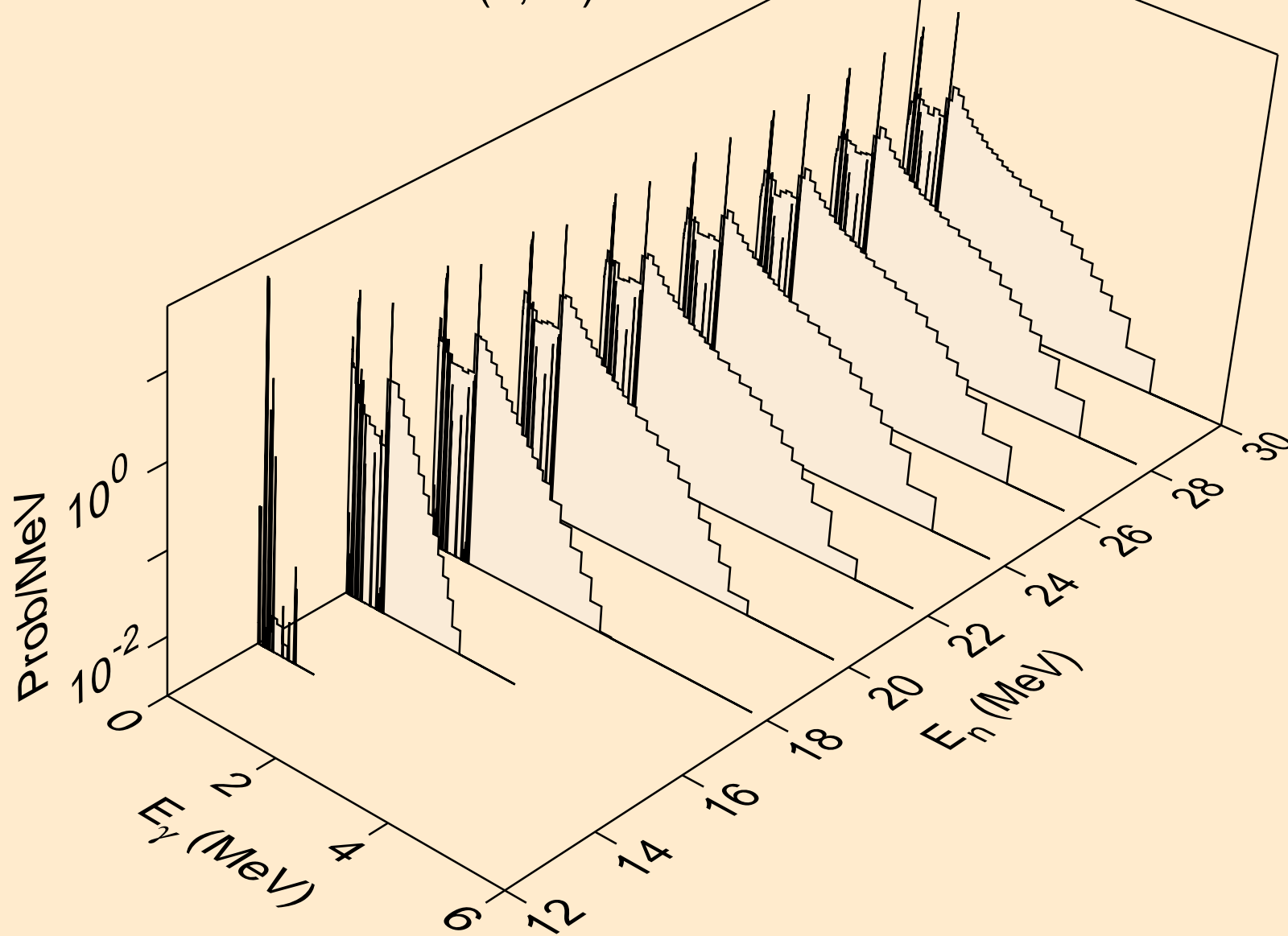
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Photon emission for (n,2nd)



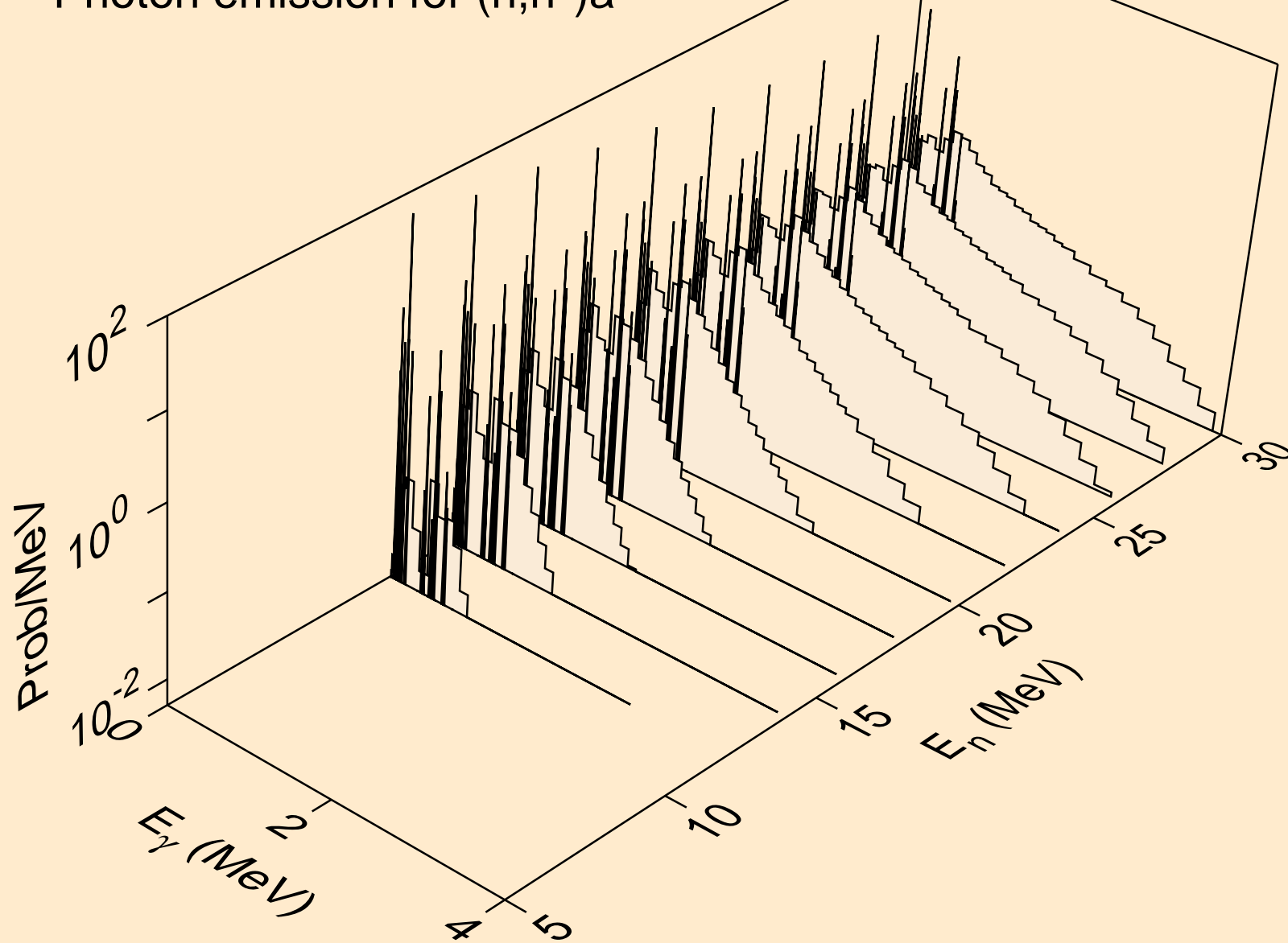
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Photon emission for (n,2n)



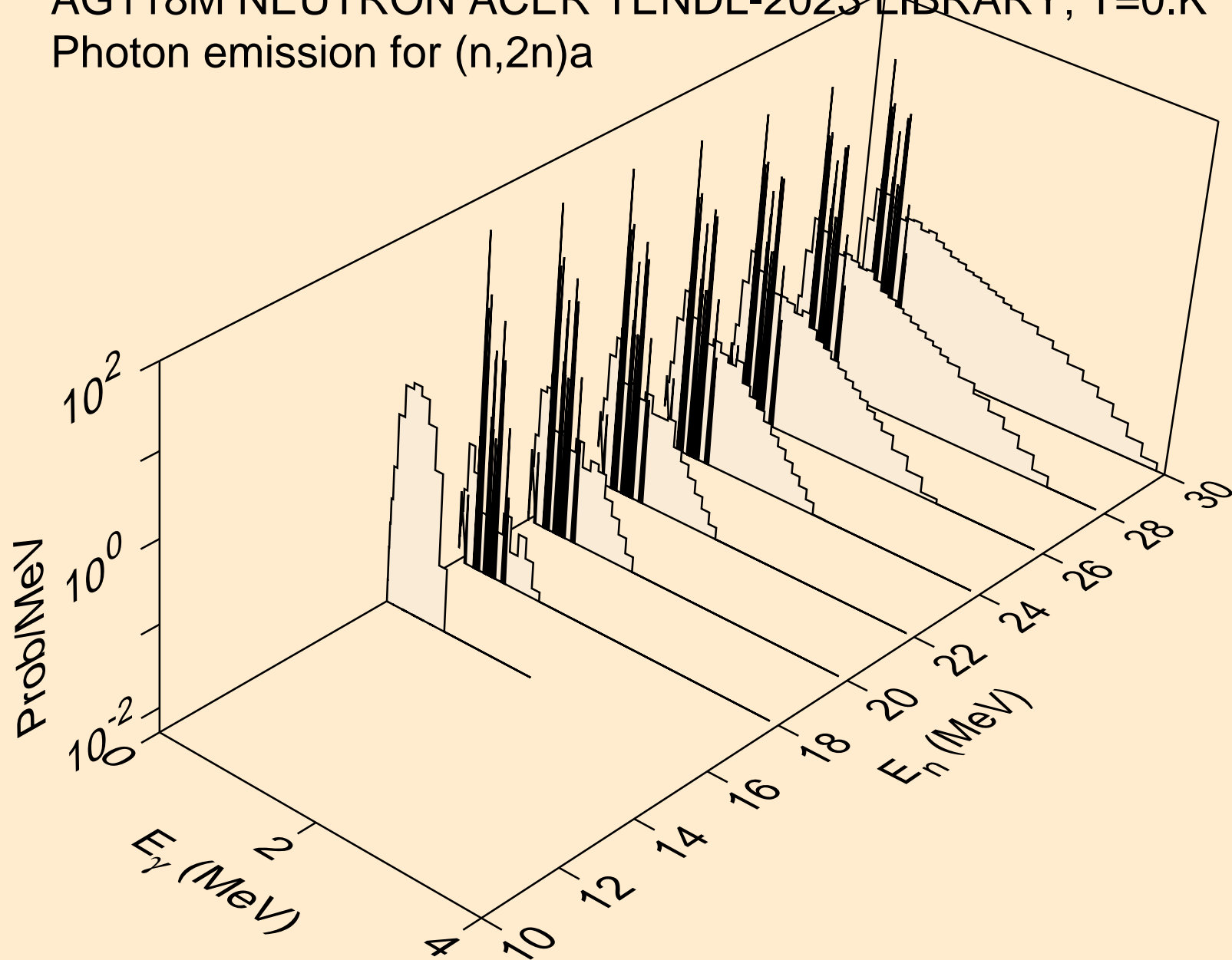
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Photon emission for (n,3n)



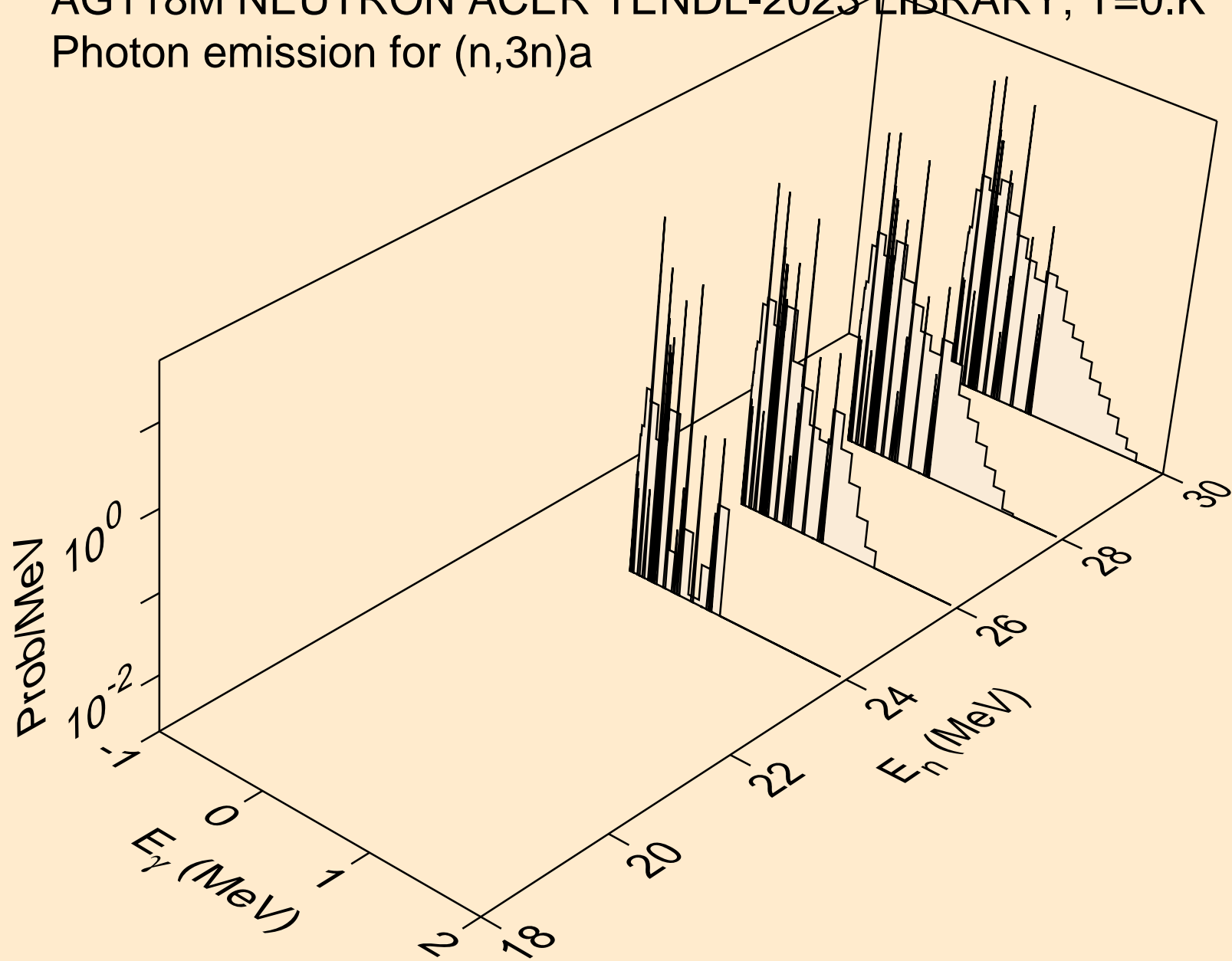
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Photon emission for (n,n\*)a



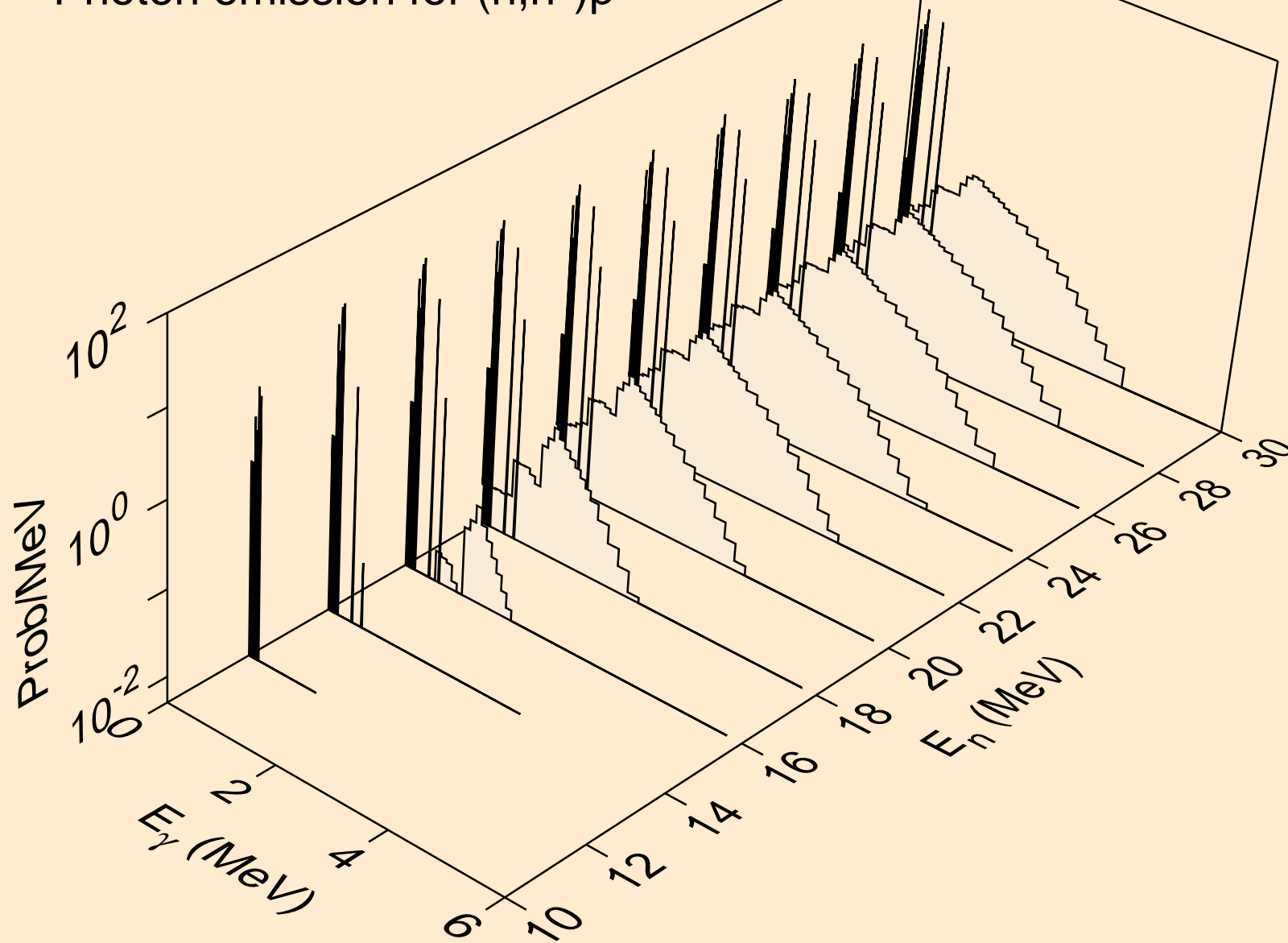
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a

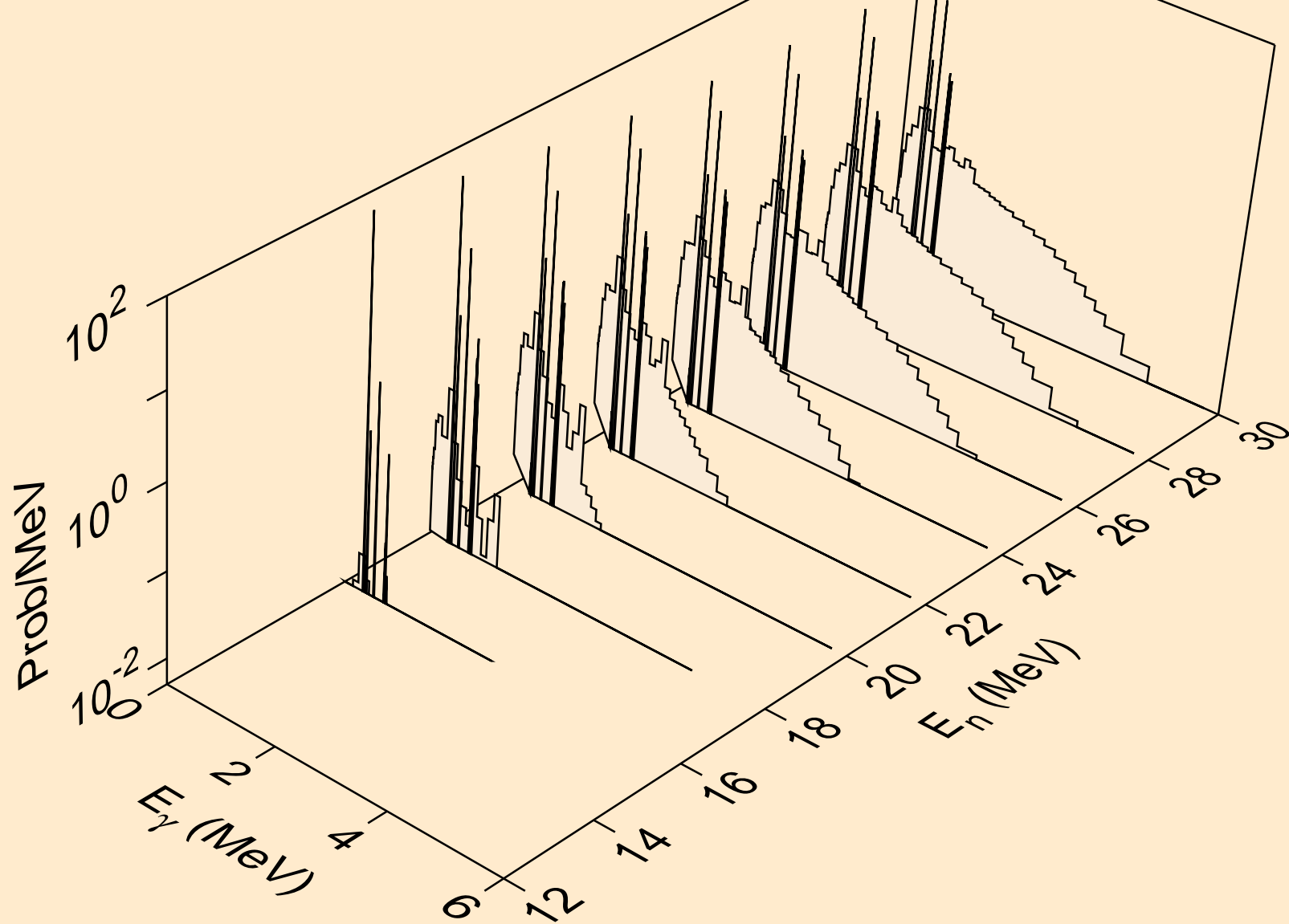


AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

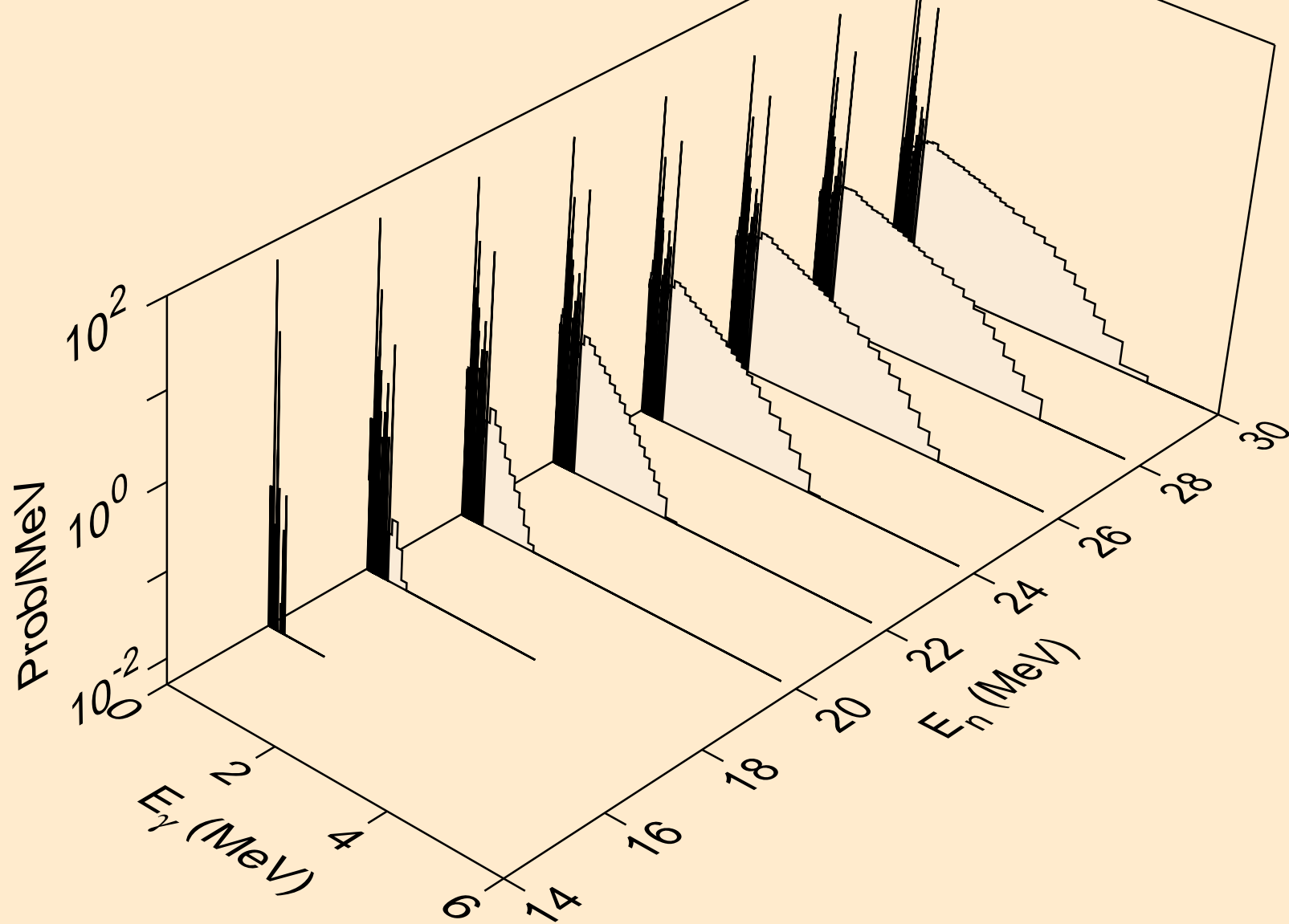




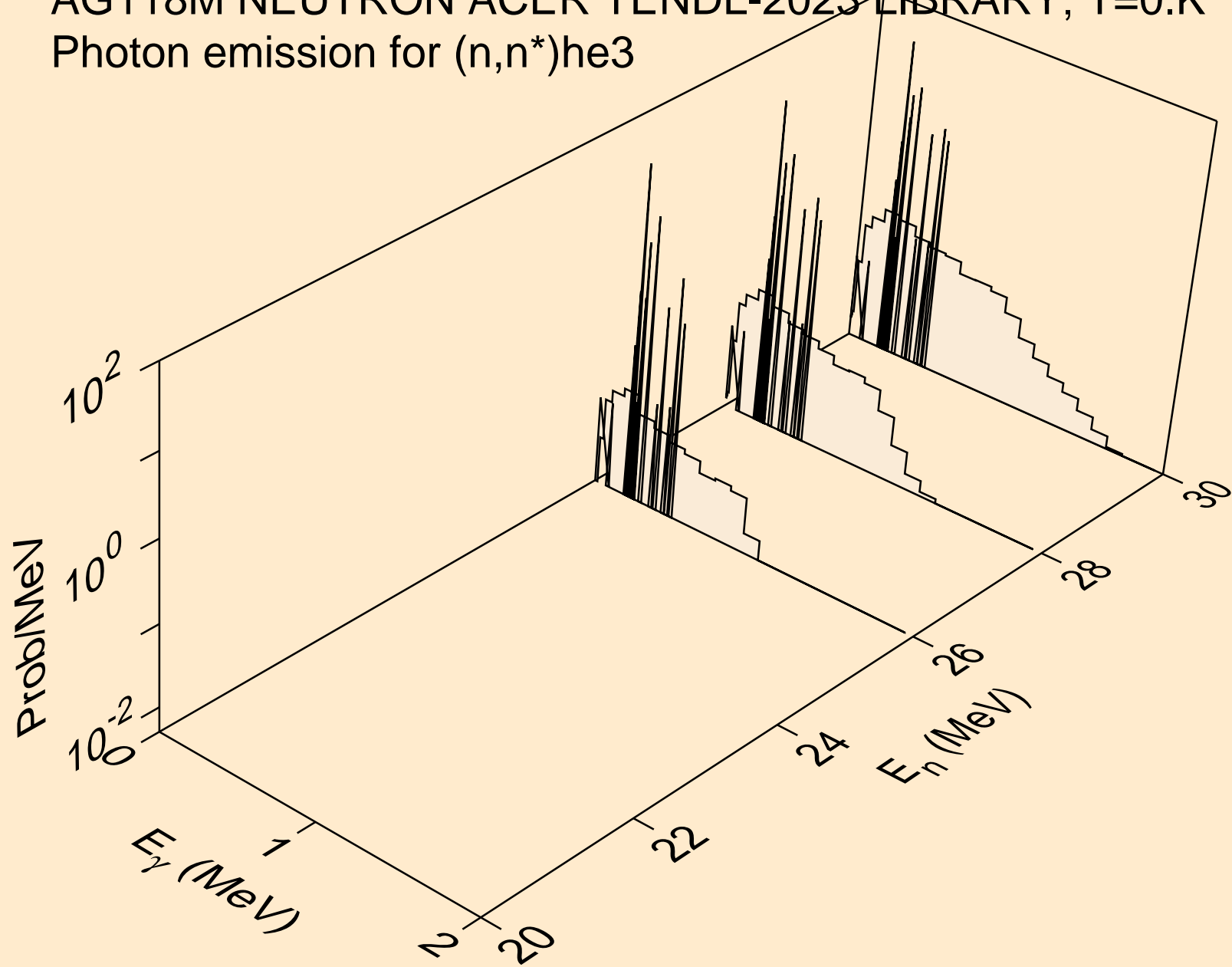
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Photon emission for (n,n\*)d



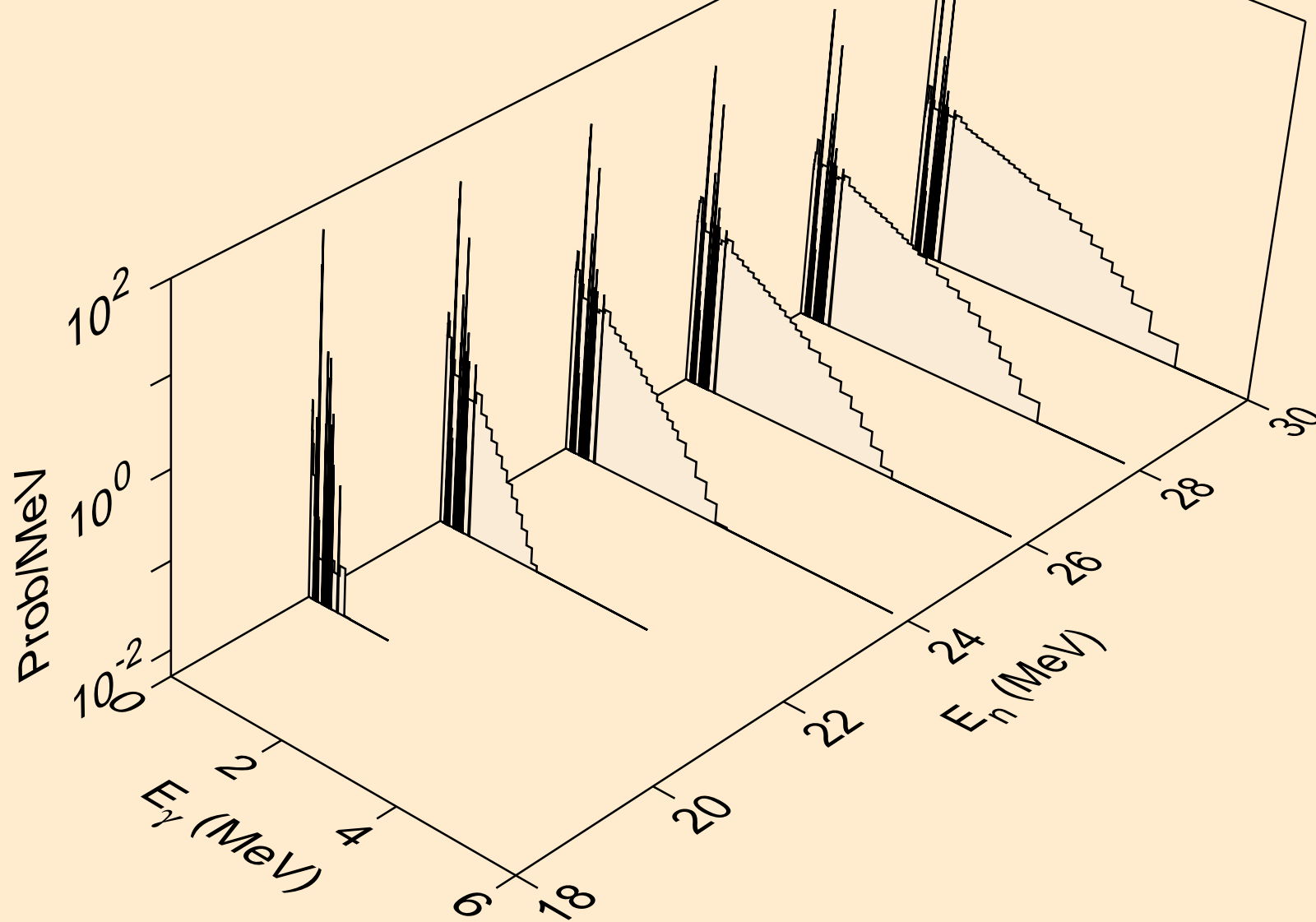
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Photon emission for (n,n\*)t



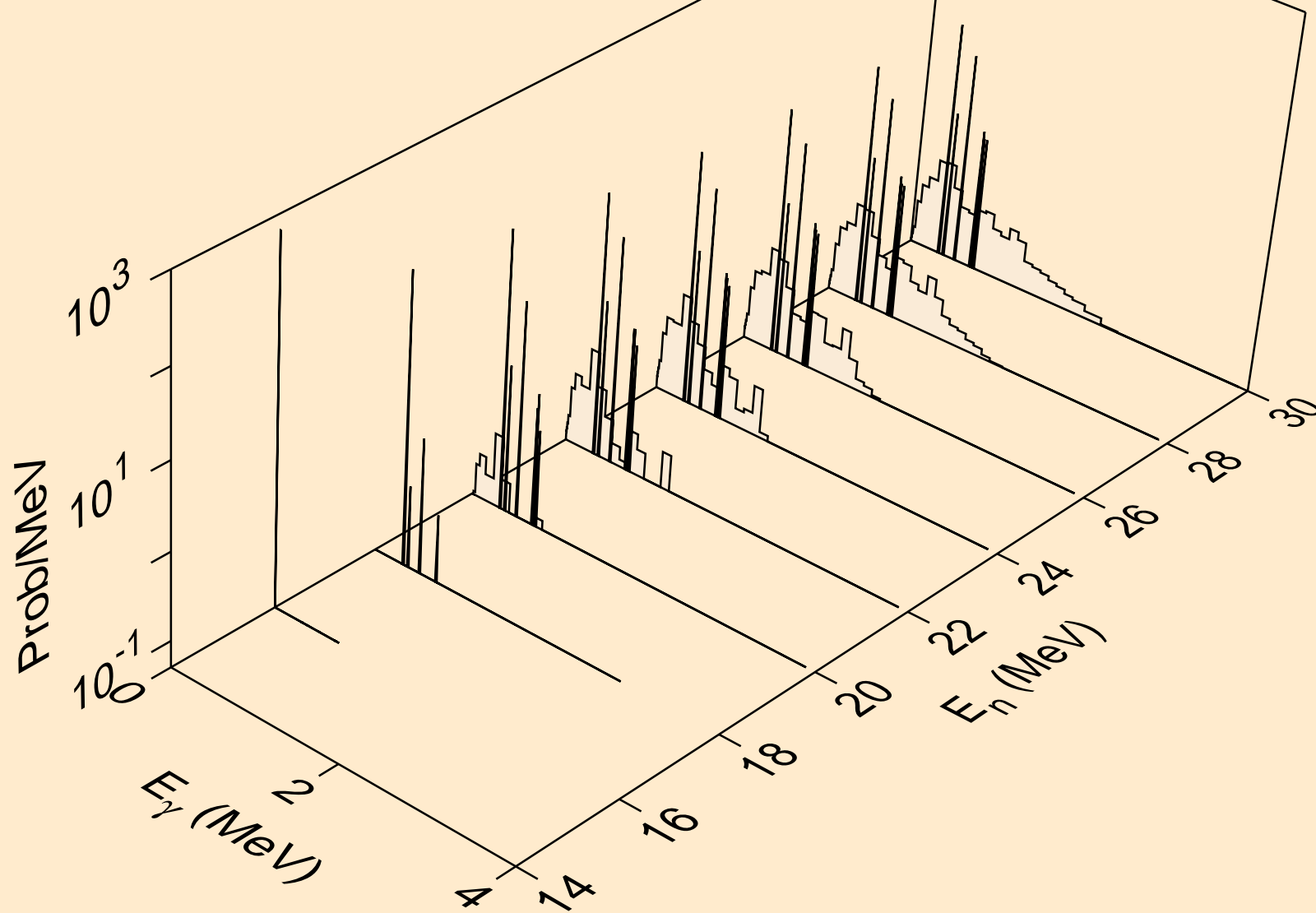
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Photon emission for (n,n\*)he3



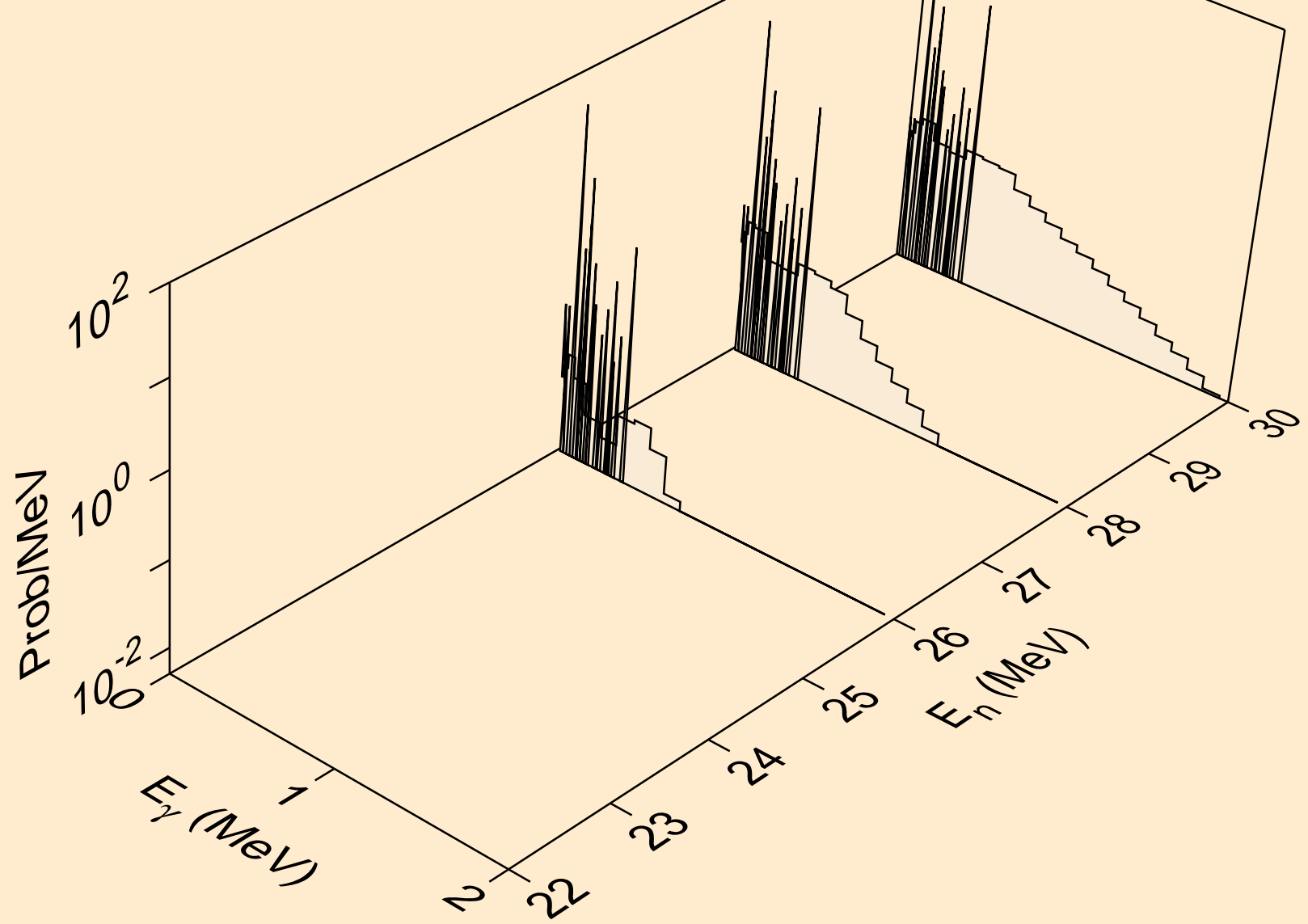
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Photon emission for (n,4n)



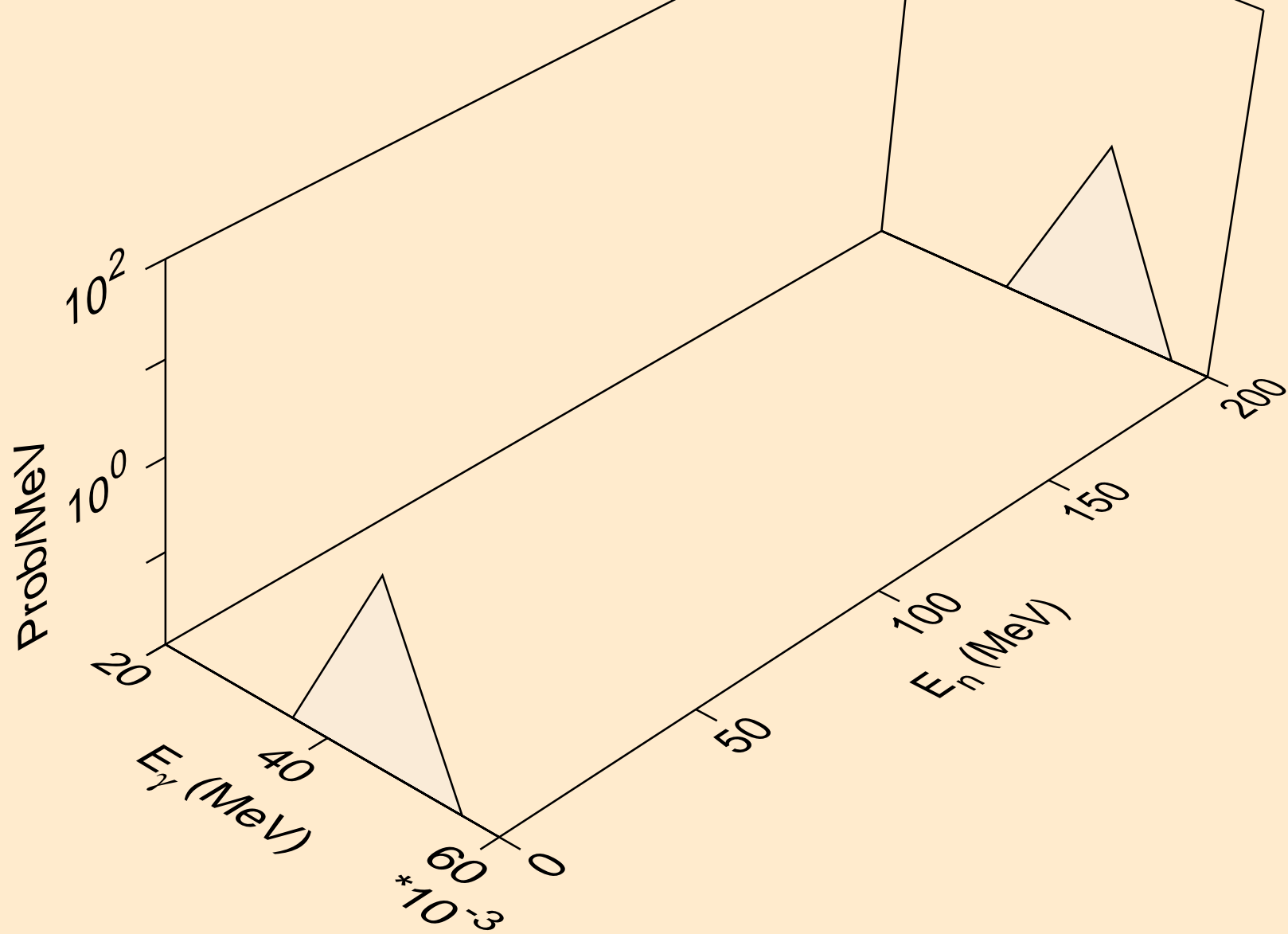
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Photon emission for (n,2np)



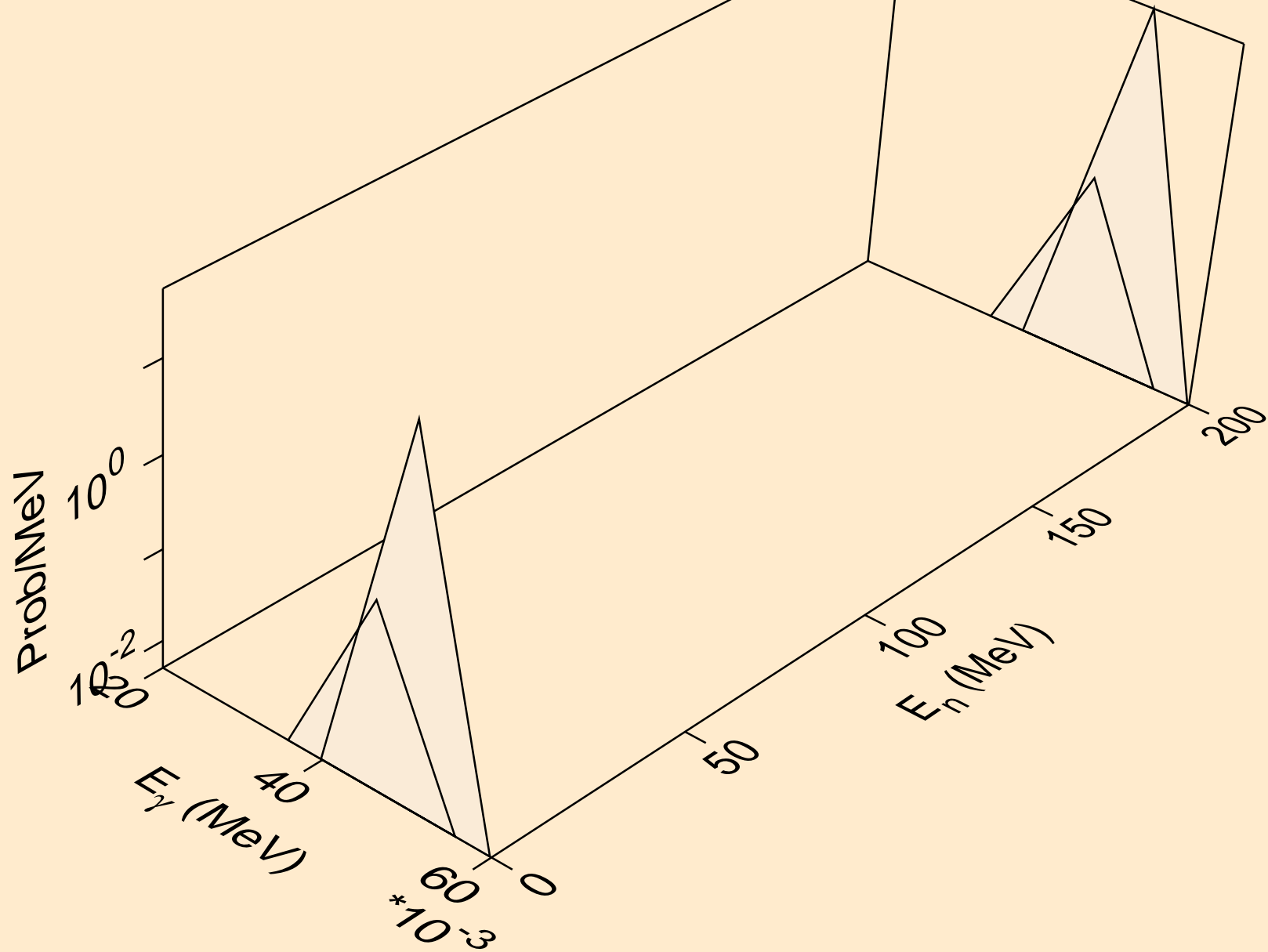
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*1)

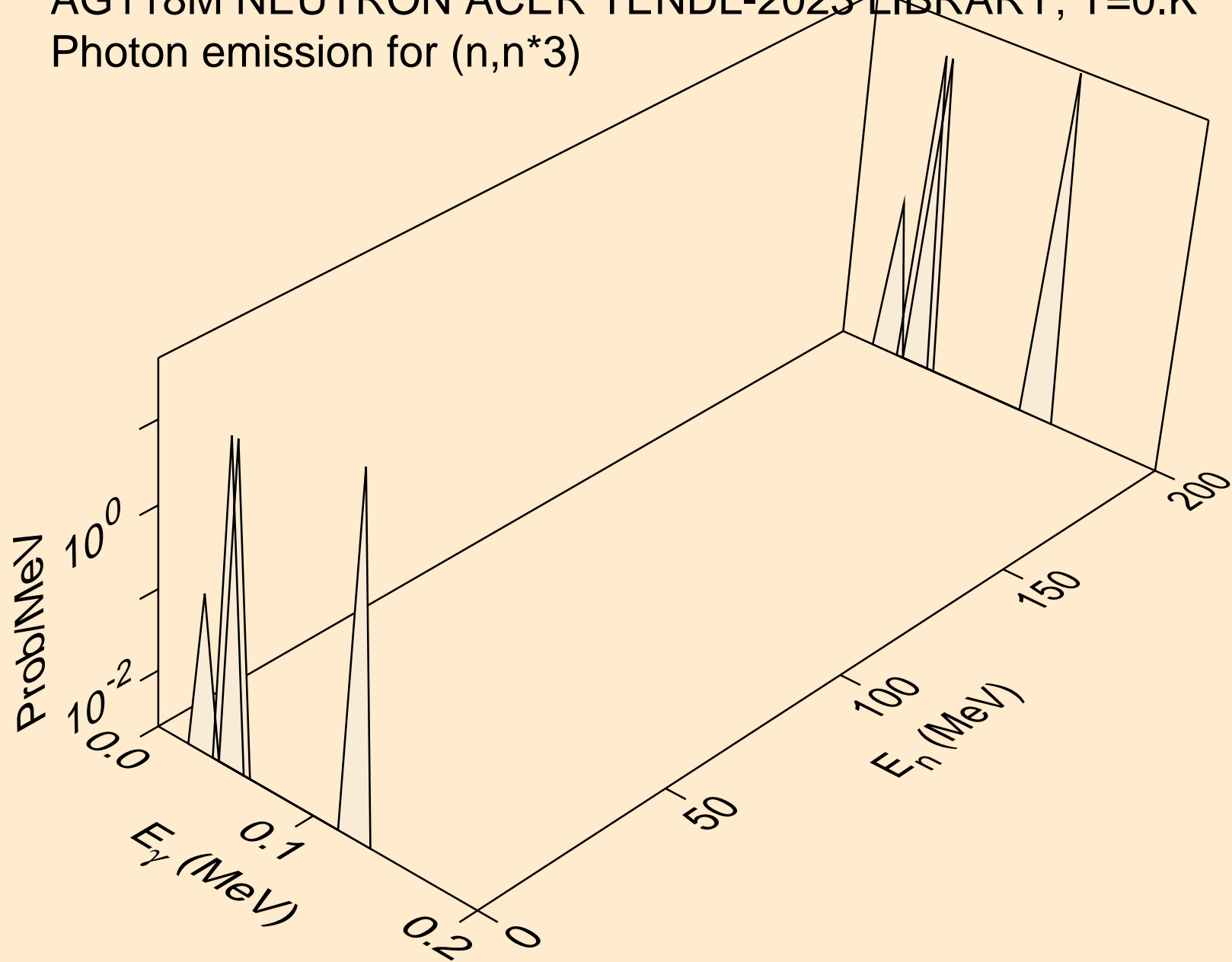


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Photon emission for (n,n\*2)

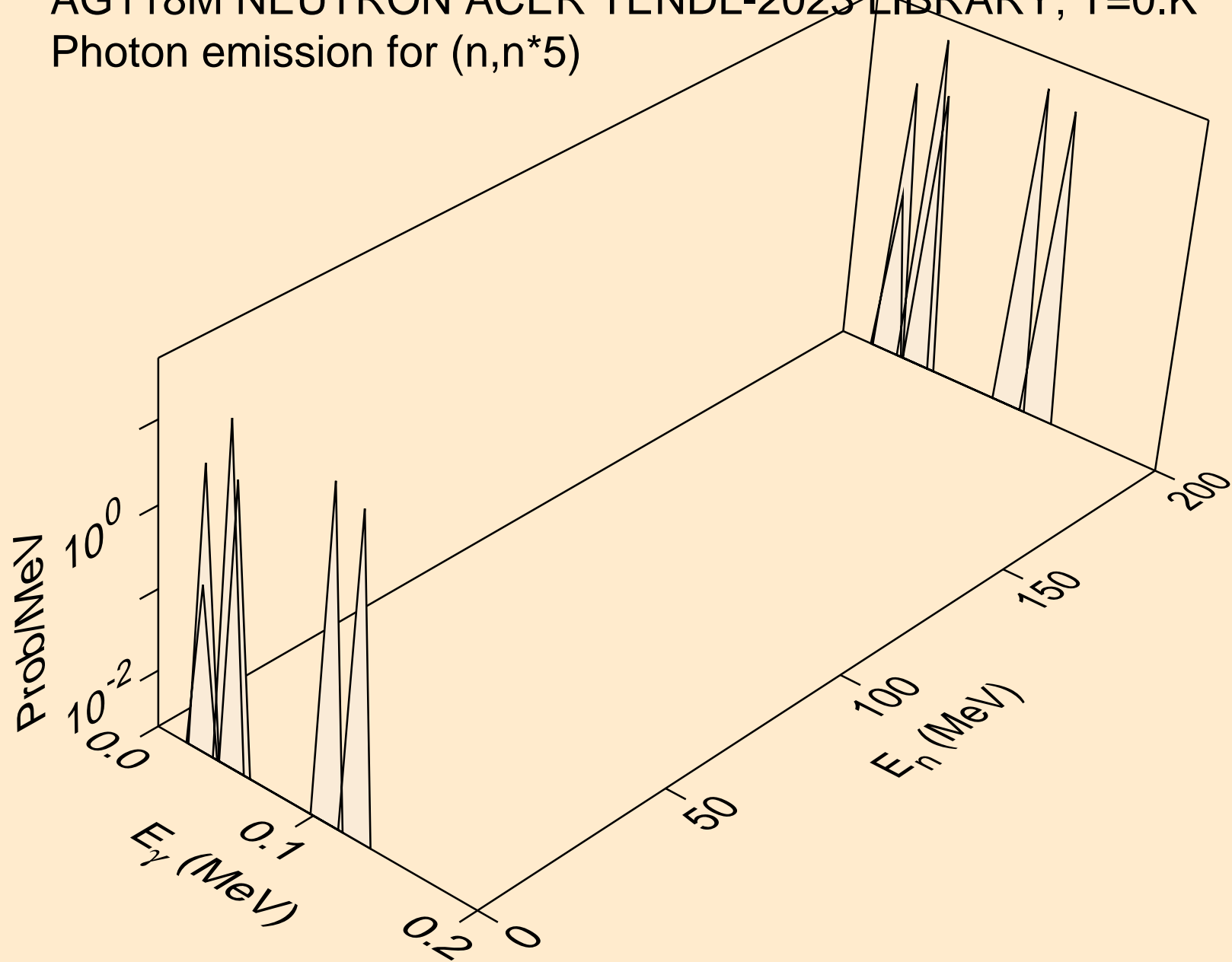




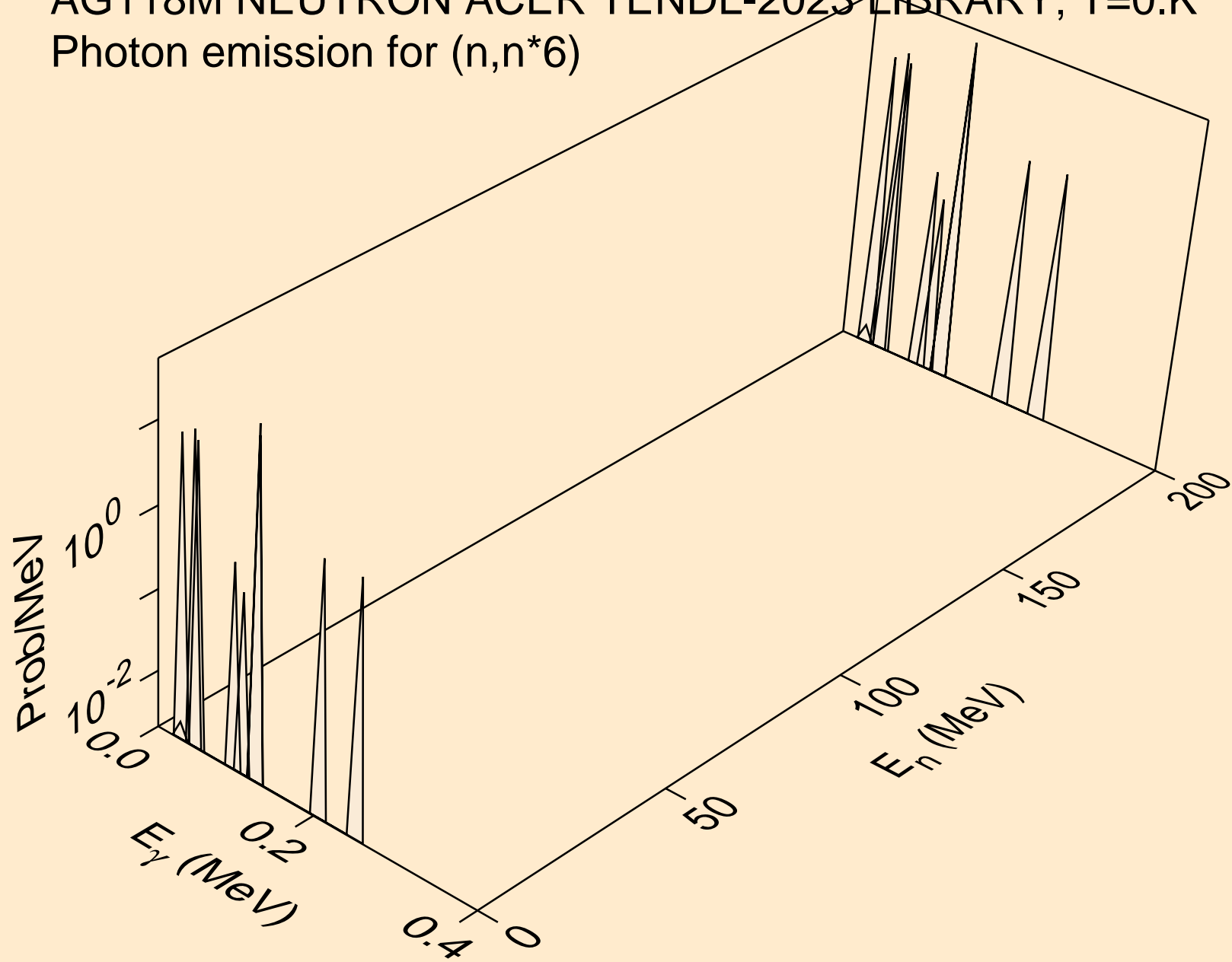
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Photon emission for (n,n\*3)



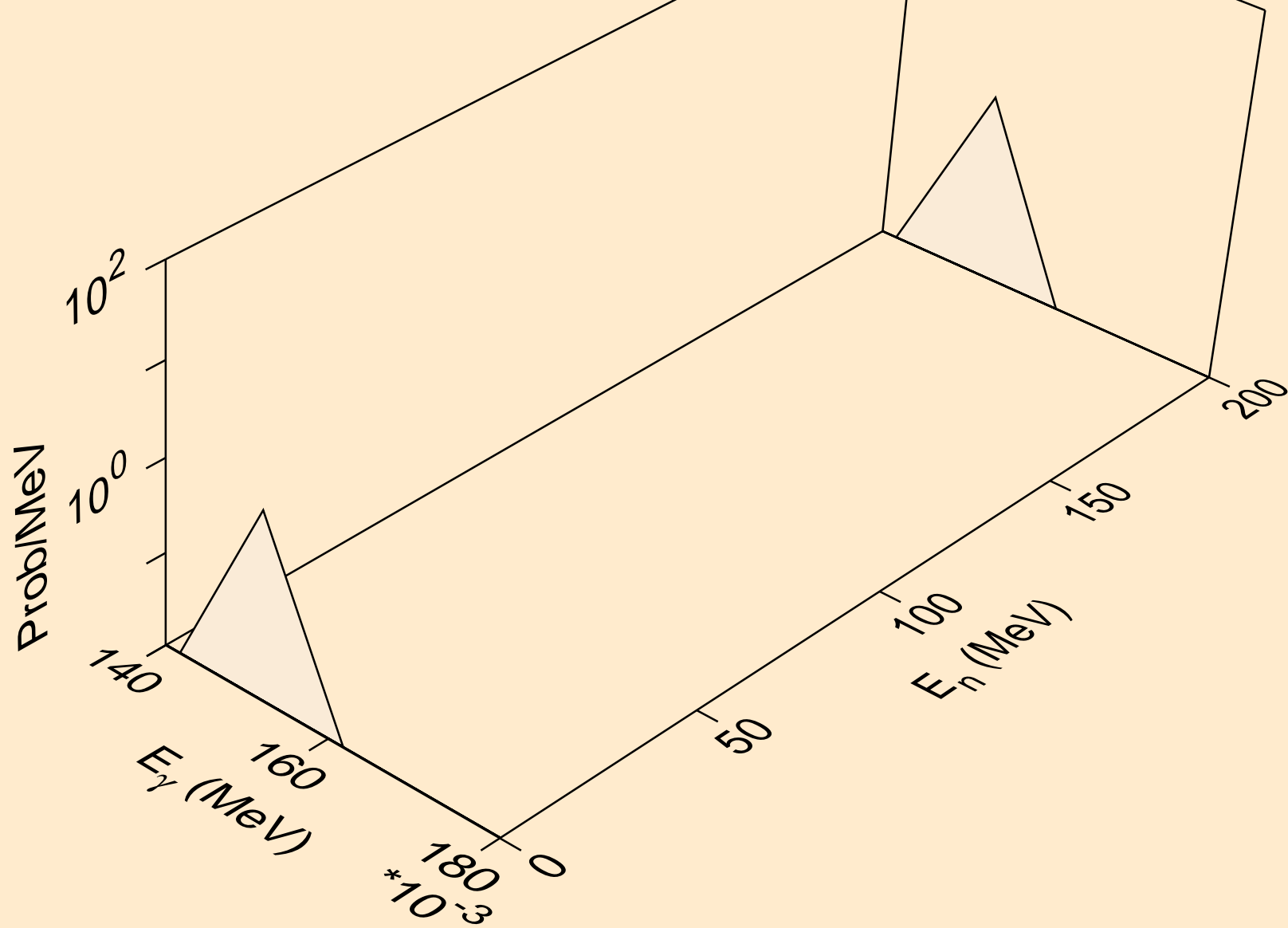
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Photon emission for (n,n\*5)



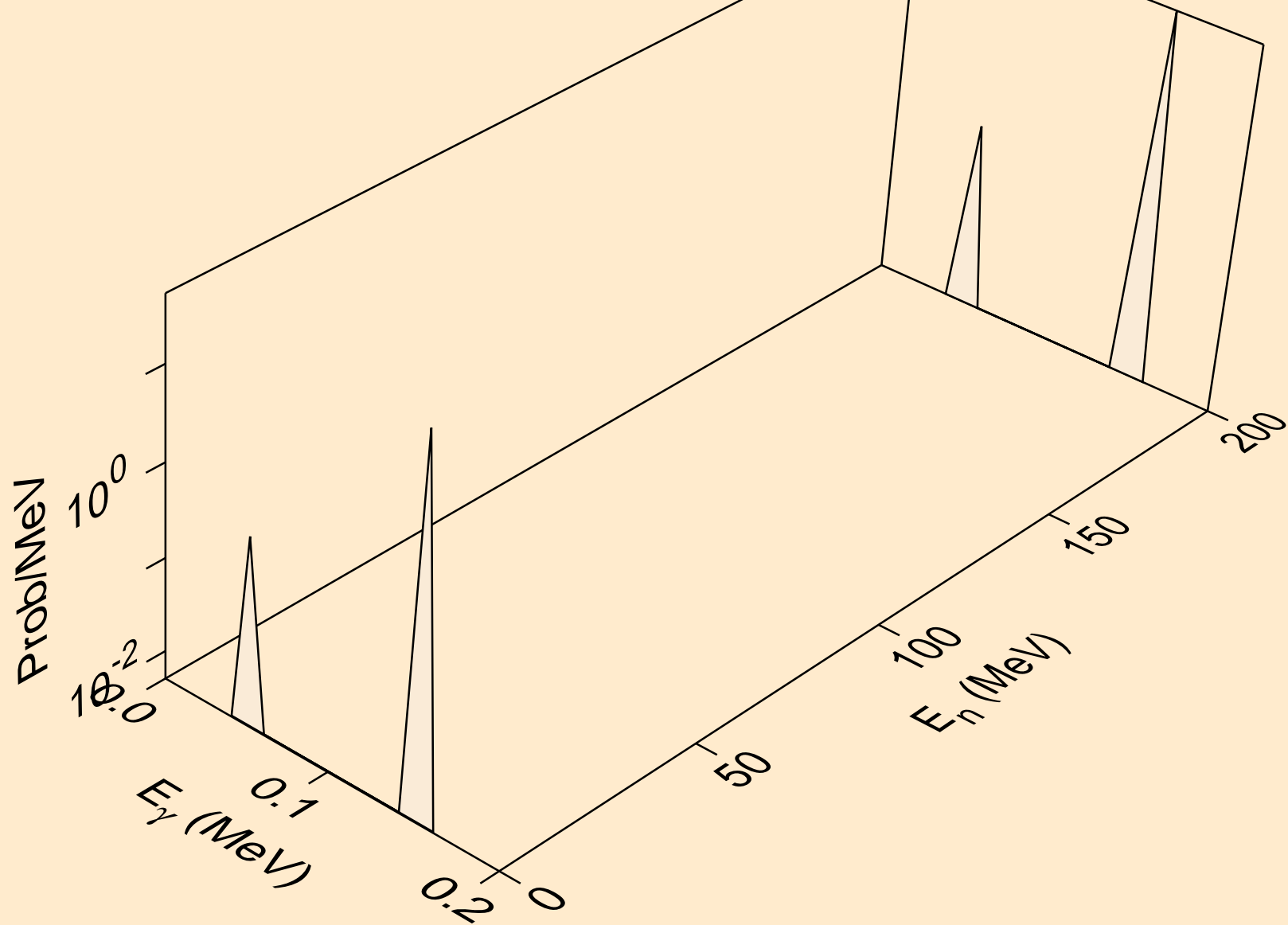
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Photon emission for (n,n\*6)



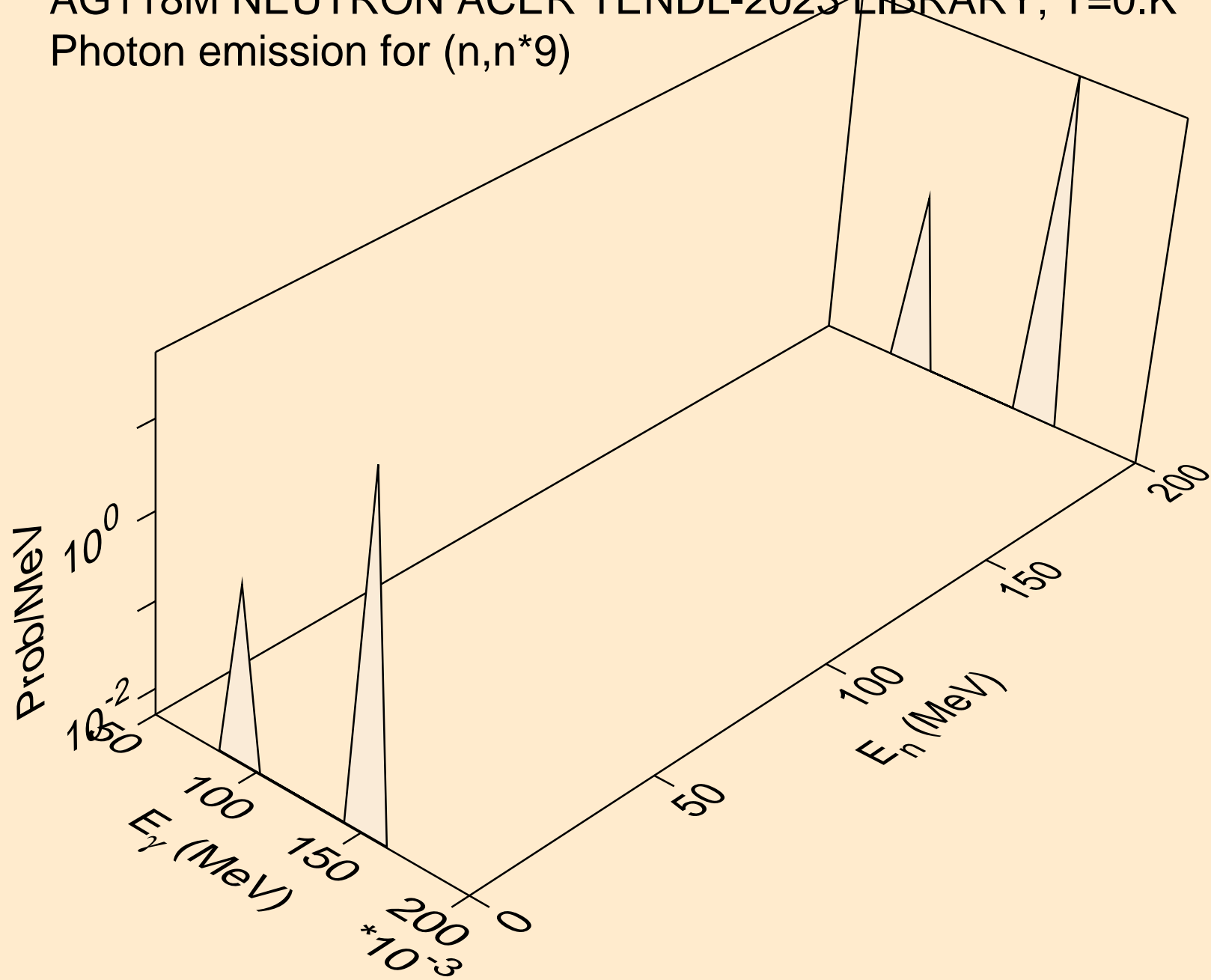
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Photon emission for (n,n\*7)



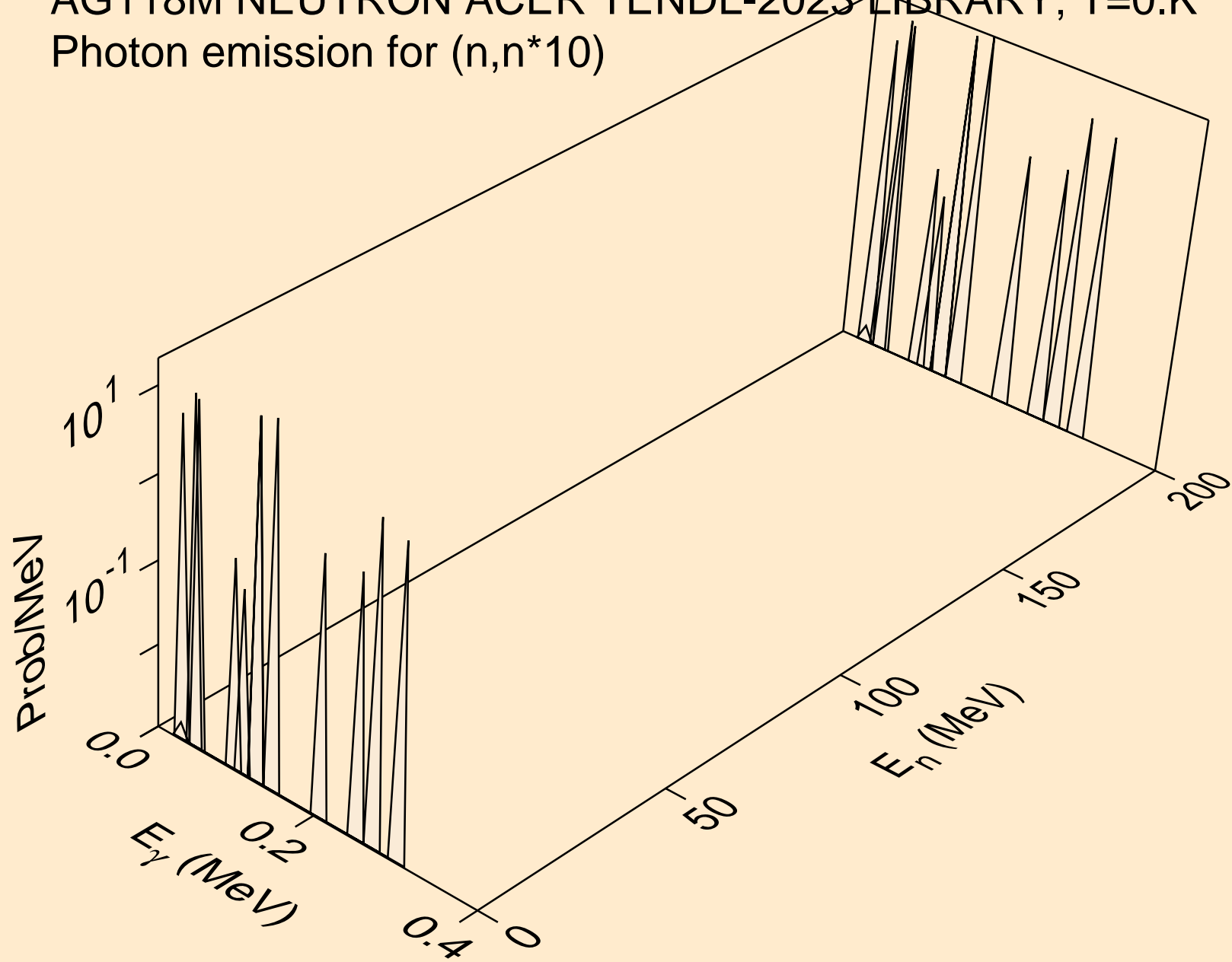
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Photon emission for (n,n\*8)



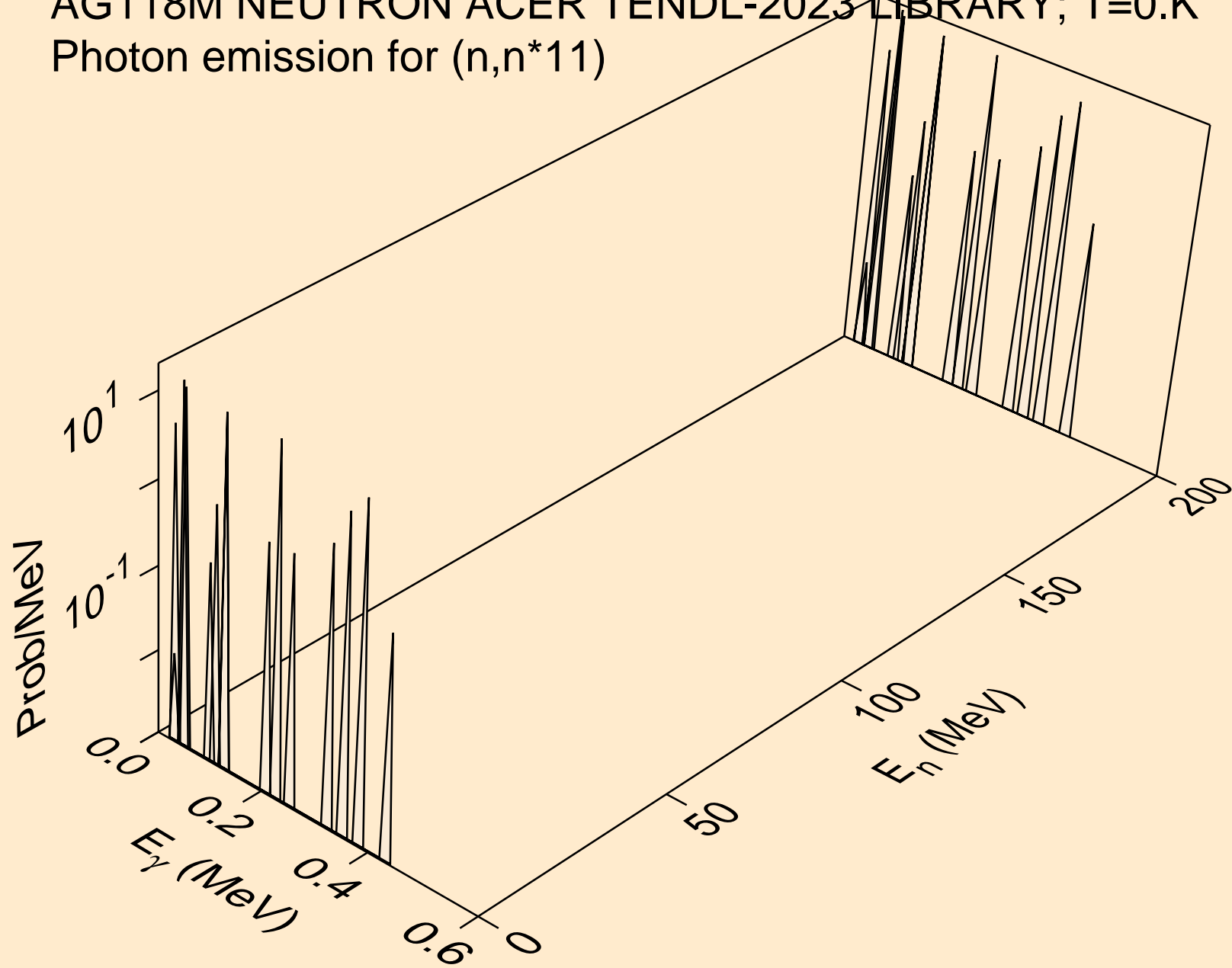
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Photon emission for (n,n\*9)



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*10)

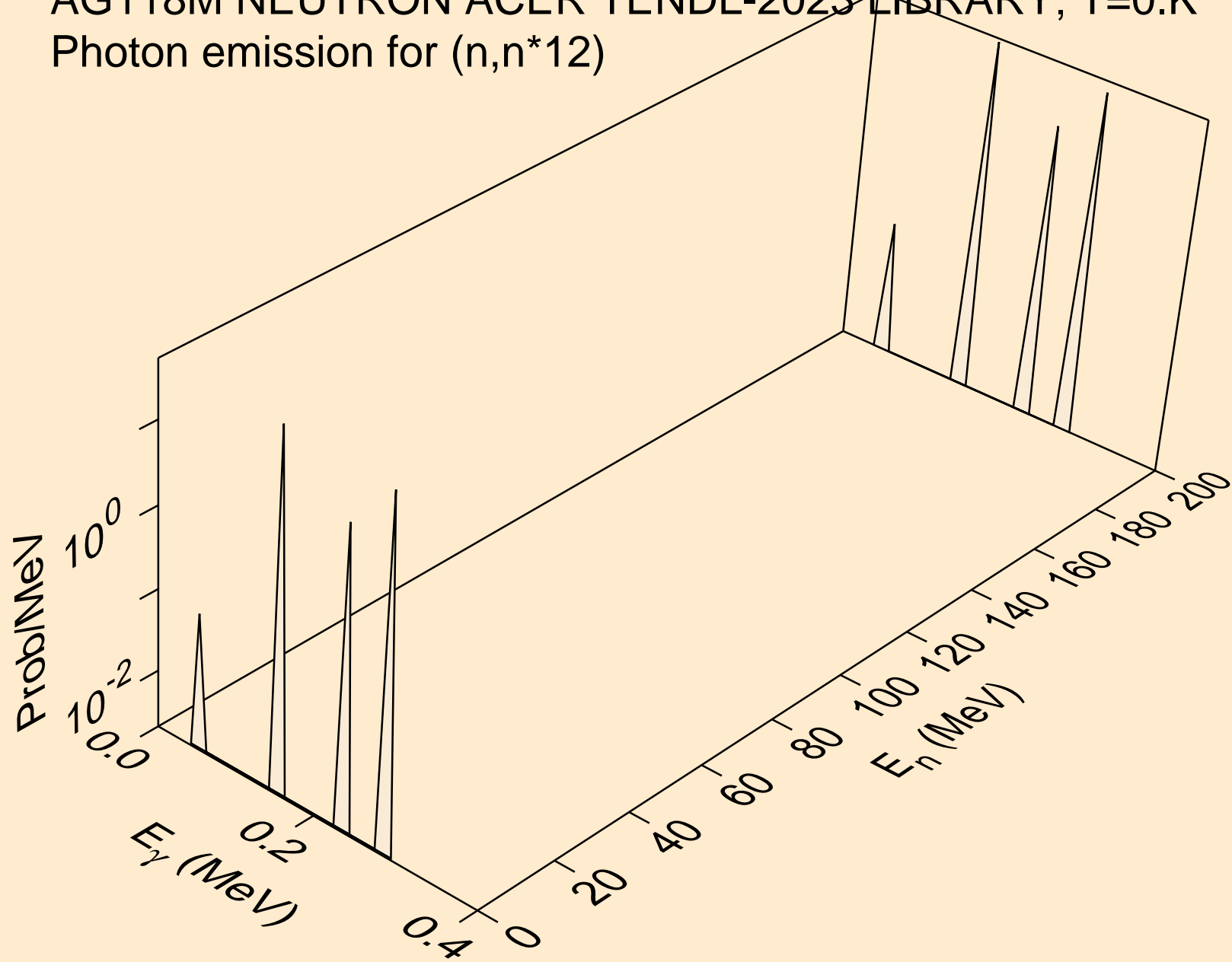


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Photon emission for (n,n\*11)

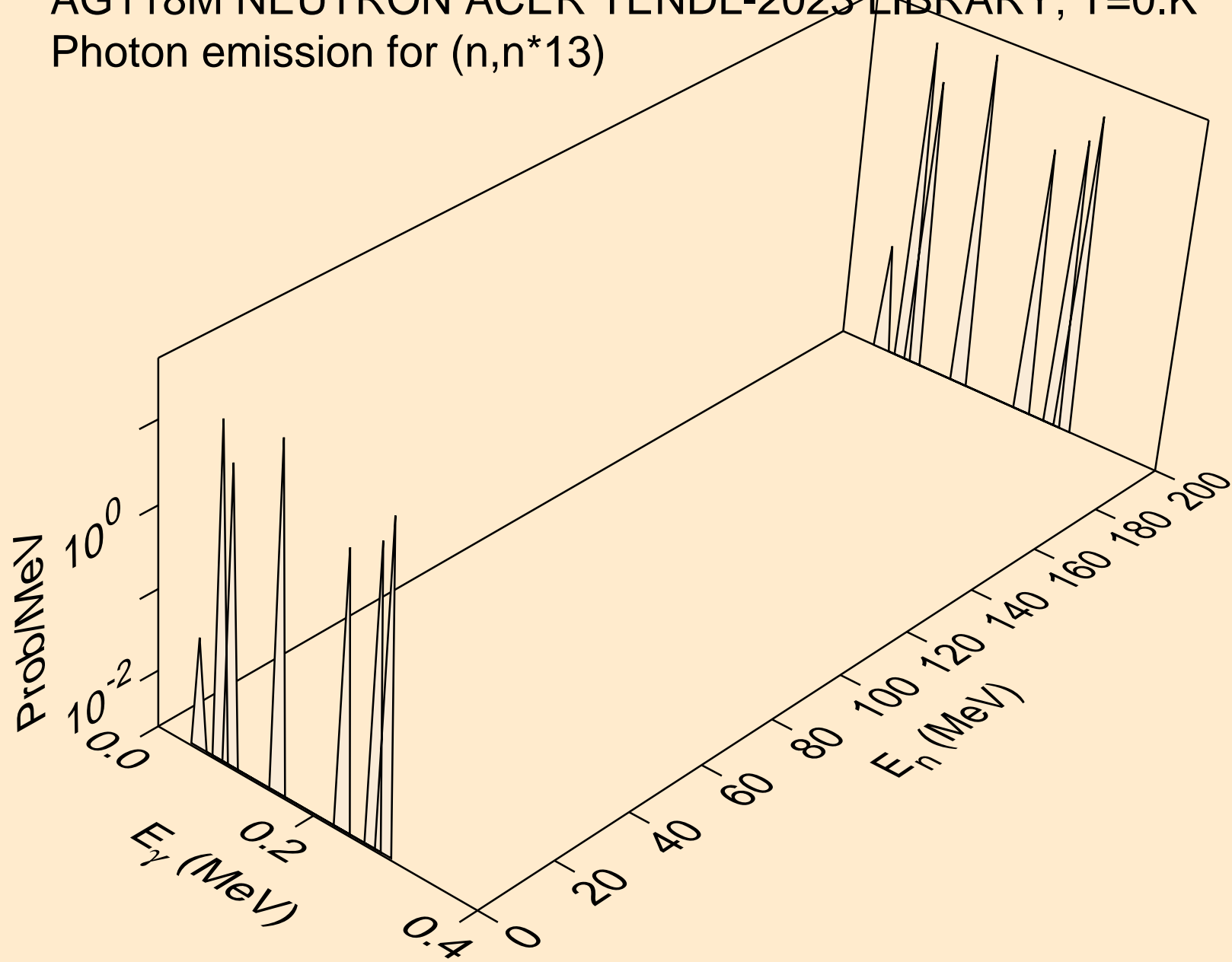




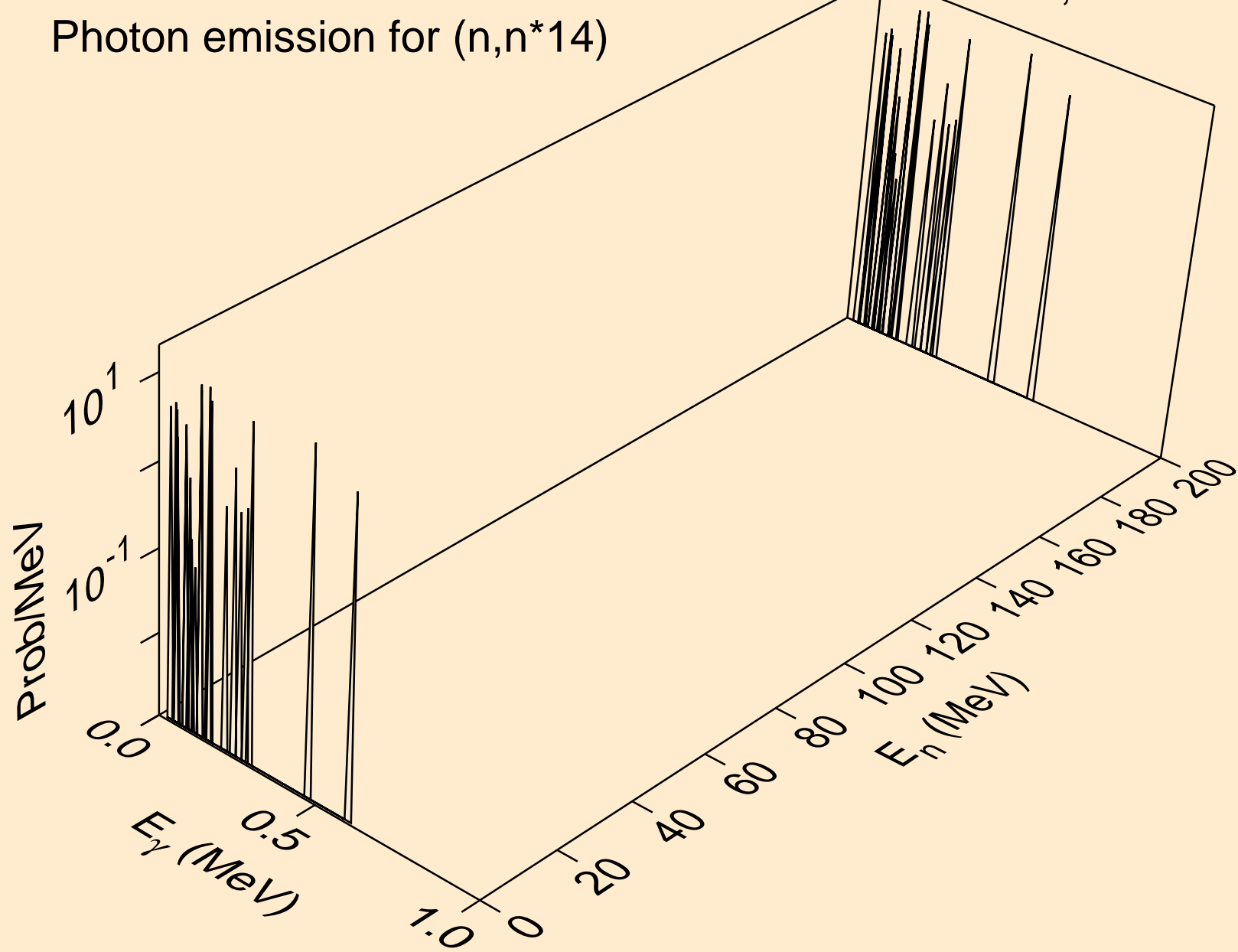
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Photon emission for (n,n\*12)



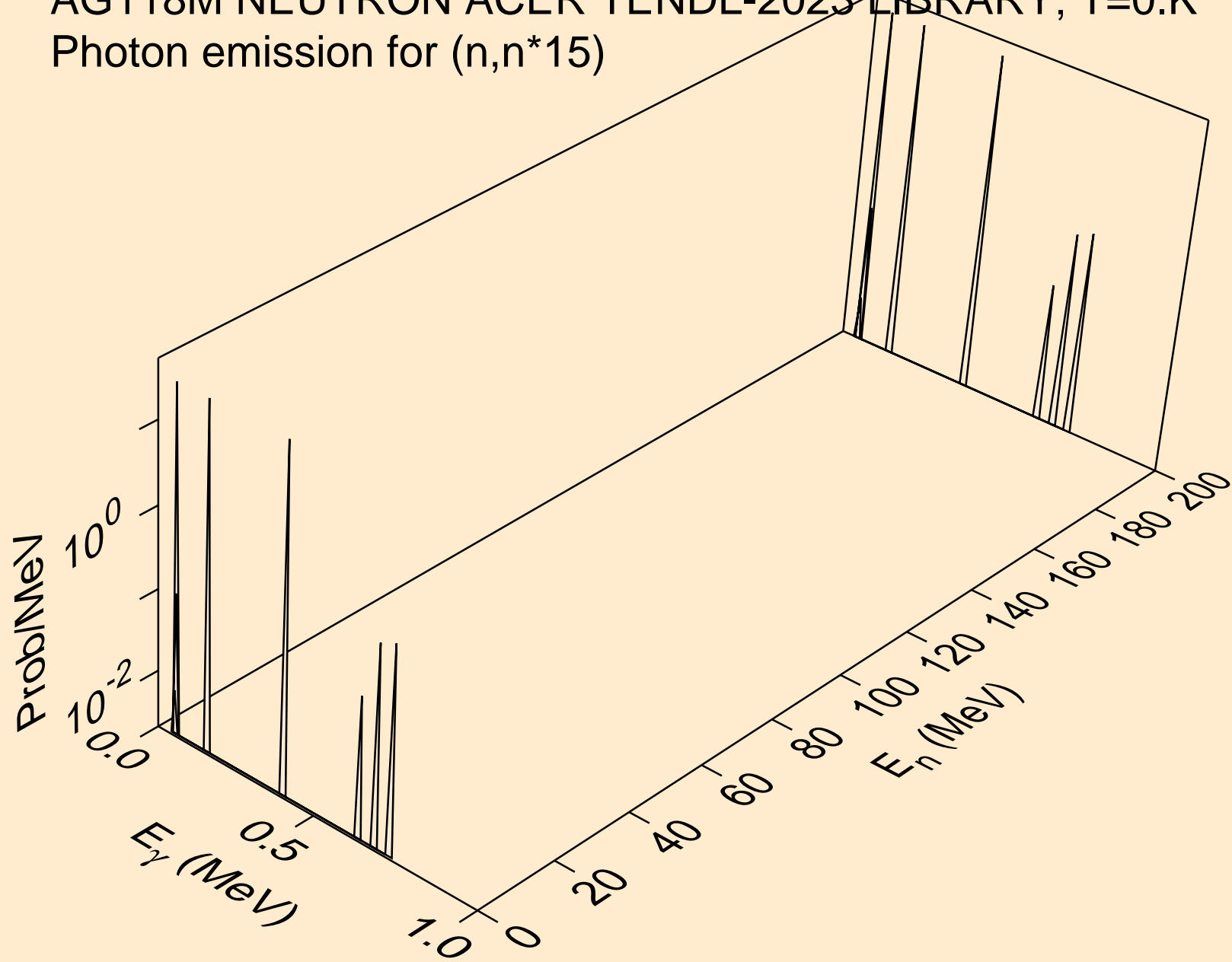
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Photon emission for (n,n\*13)



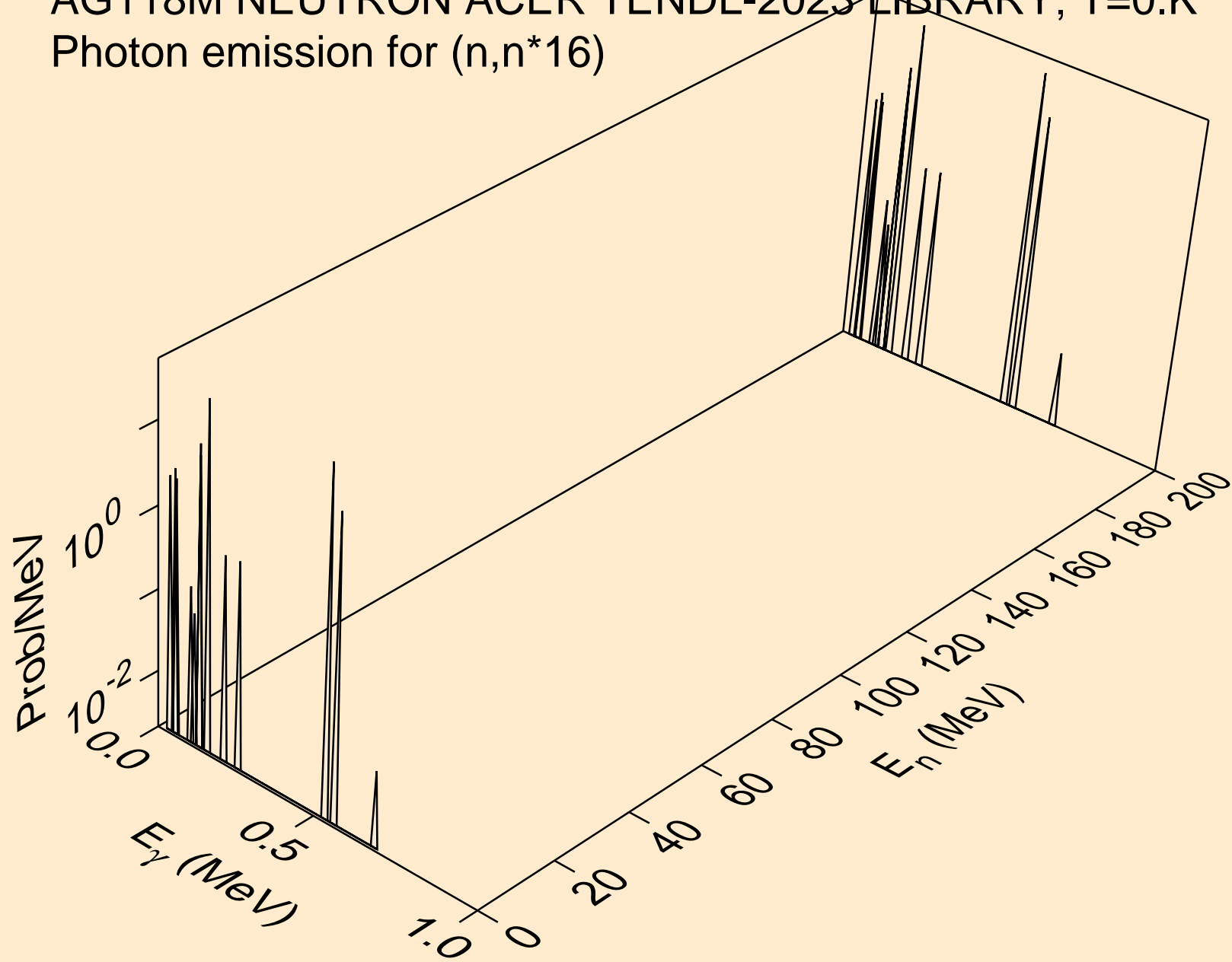
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Photon emission for (n,n\*14)



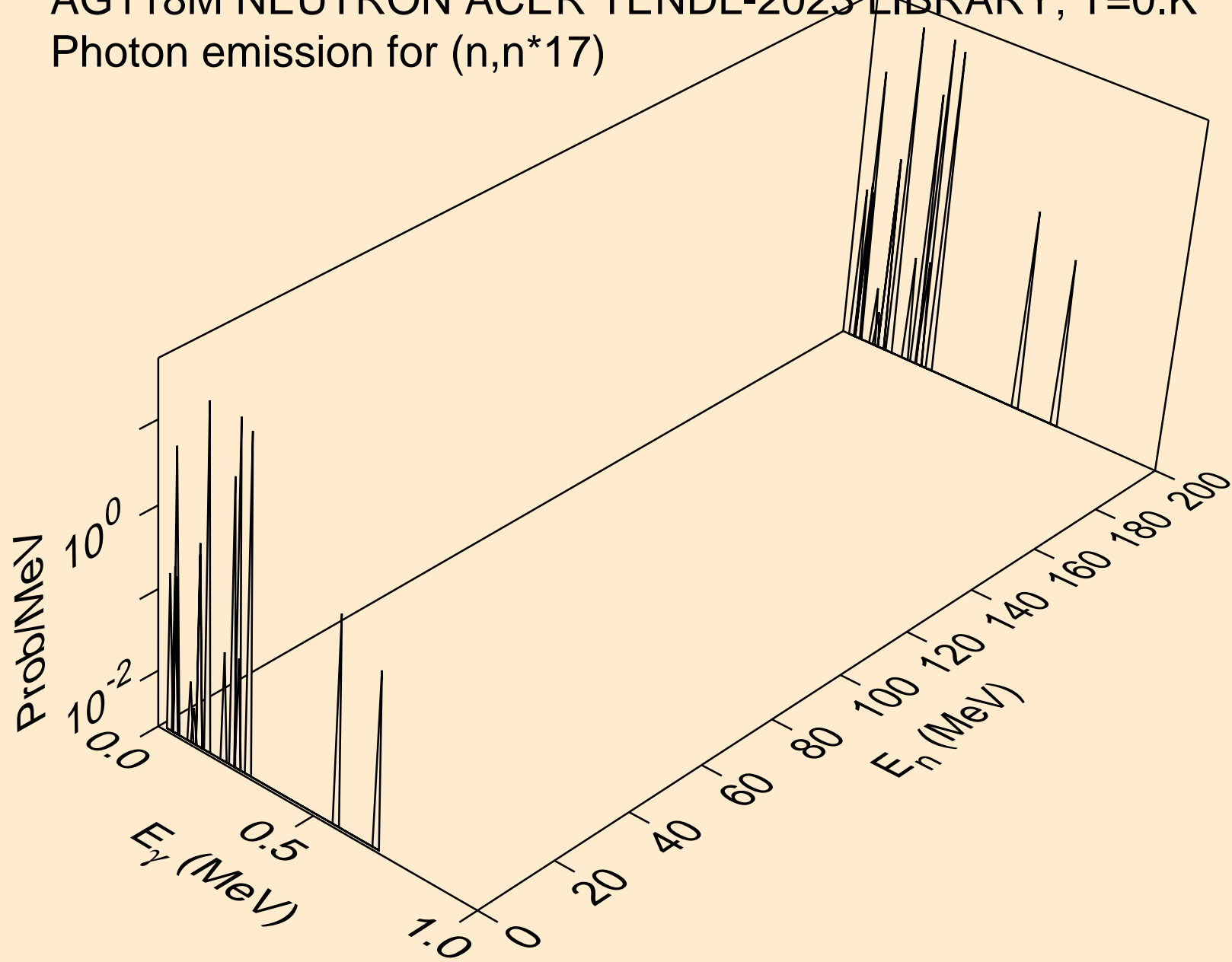
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Photon emission for (n,n\*15)



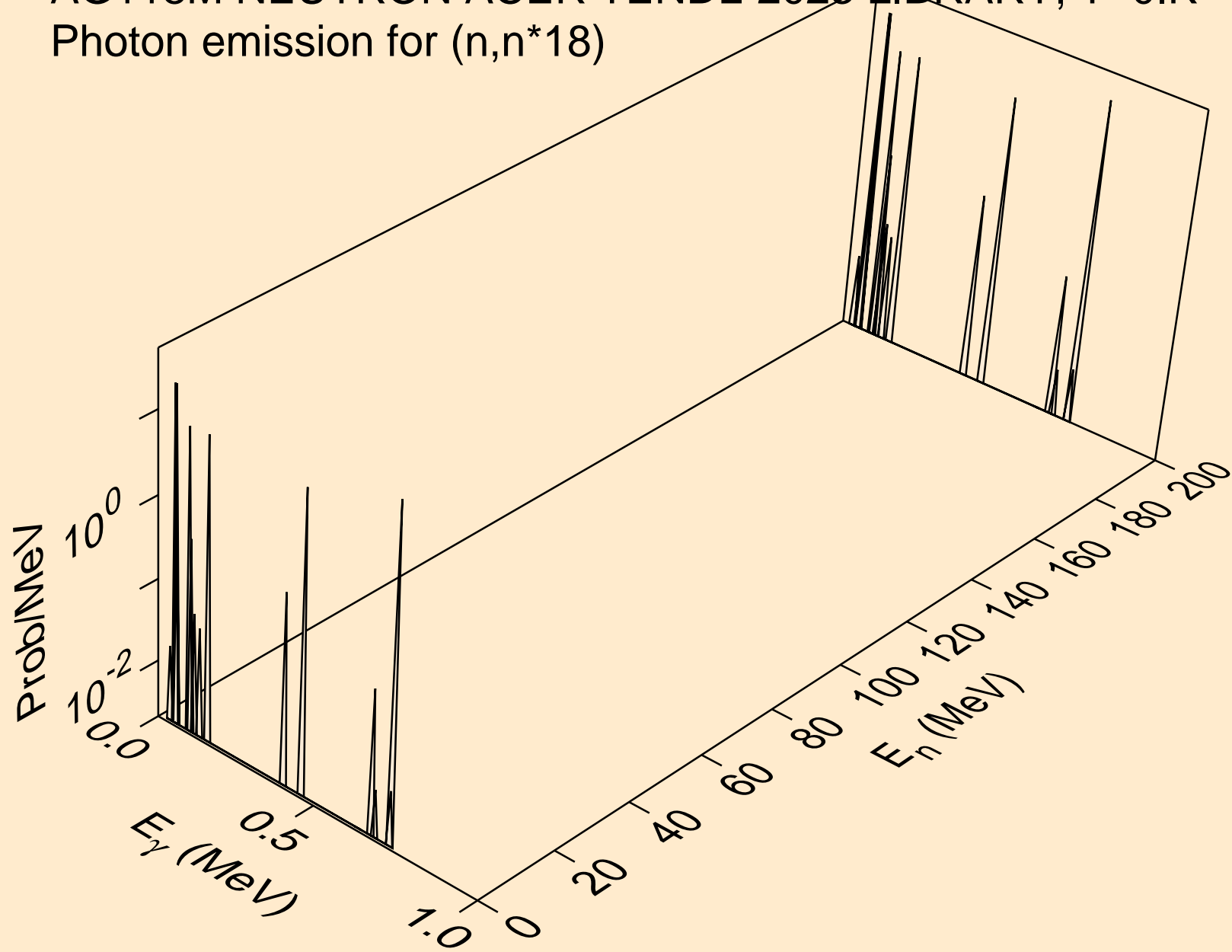
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Photon emission for (n,n\*16)



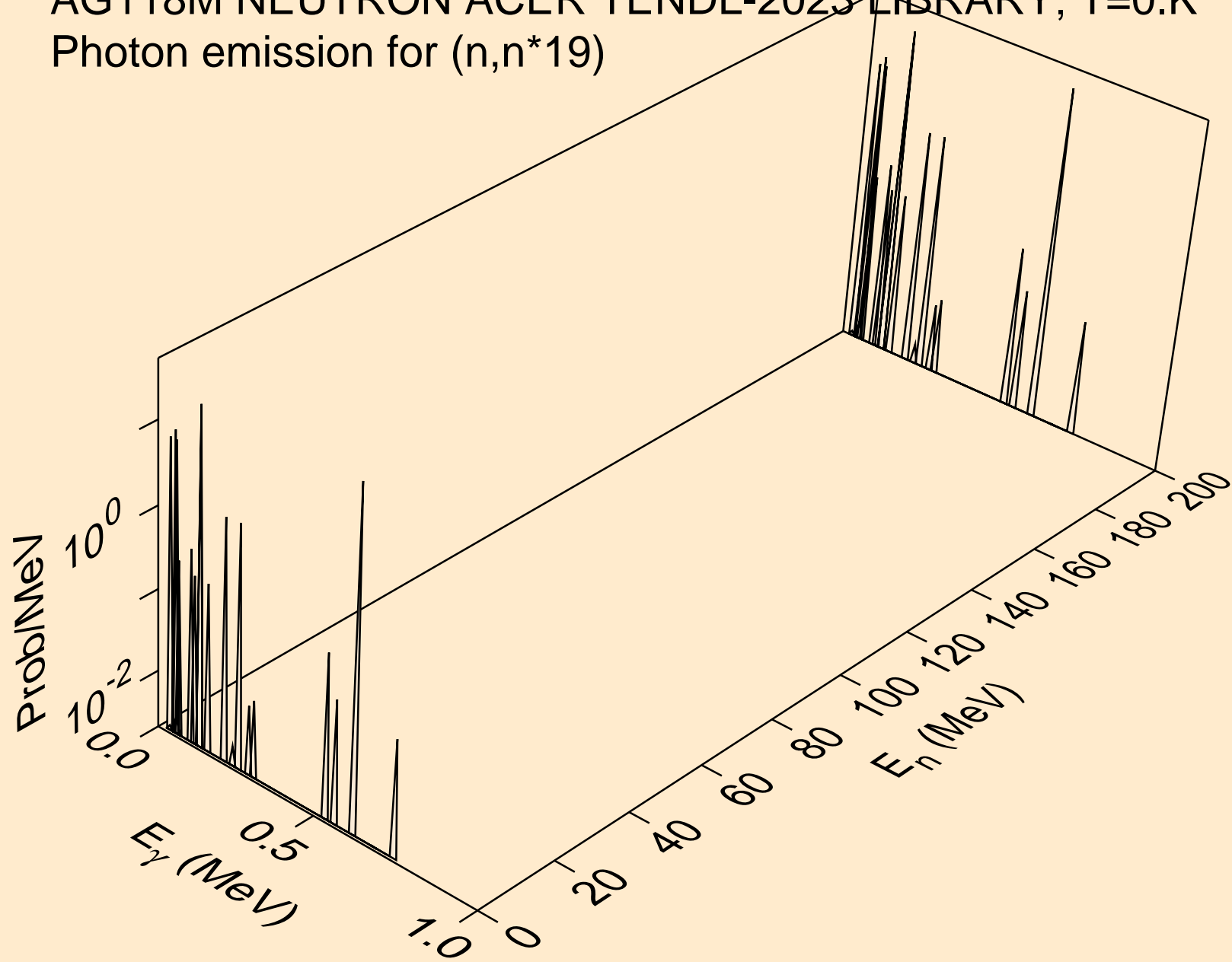
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Photon emission for (n,n\*17)



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*18)

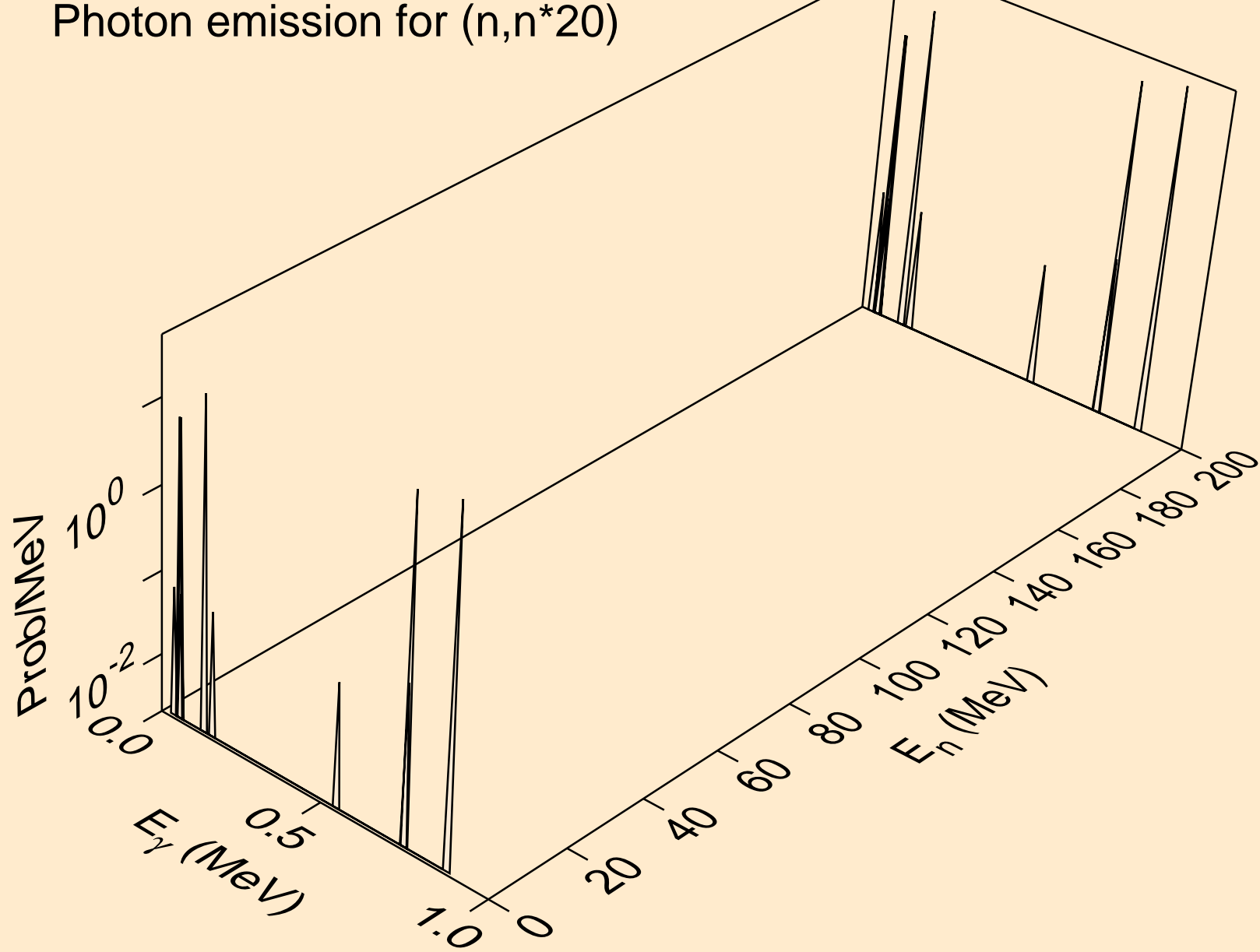


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Photon emission for (n,n\*19)

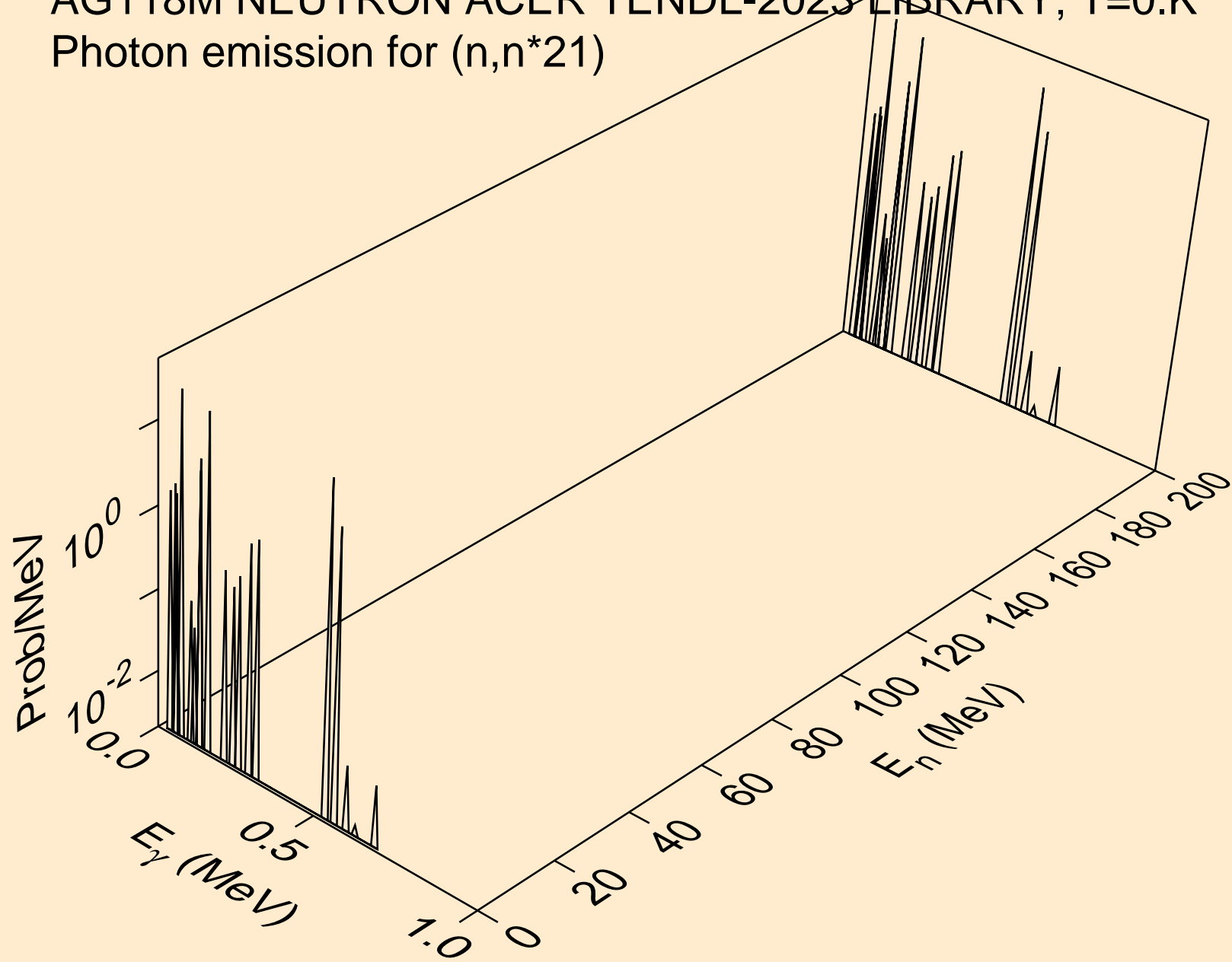




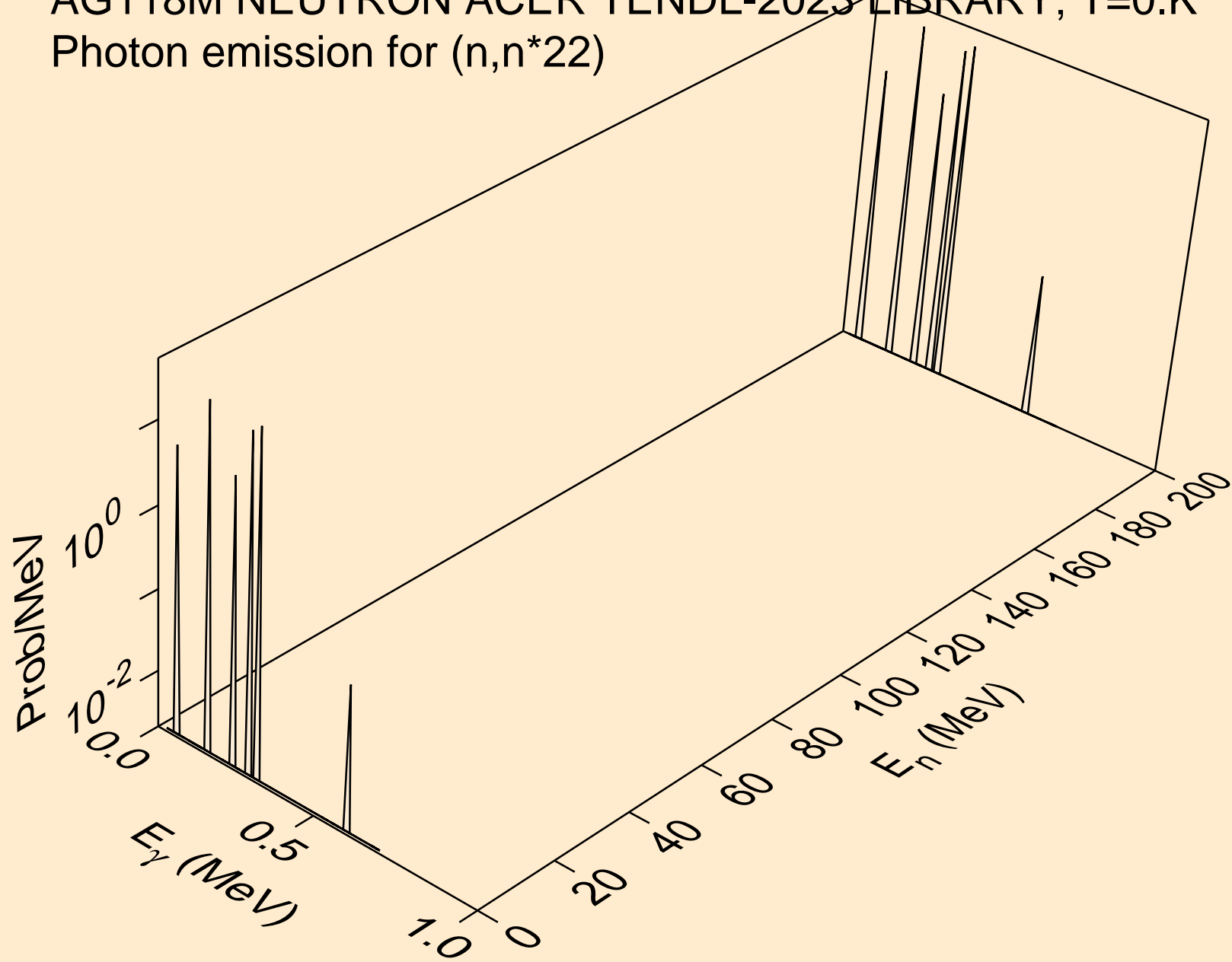
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Photon emission for (n,n\*20)



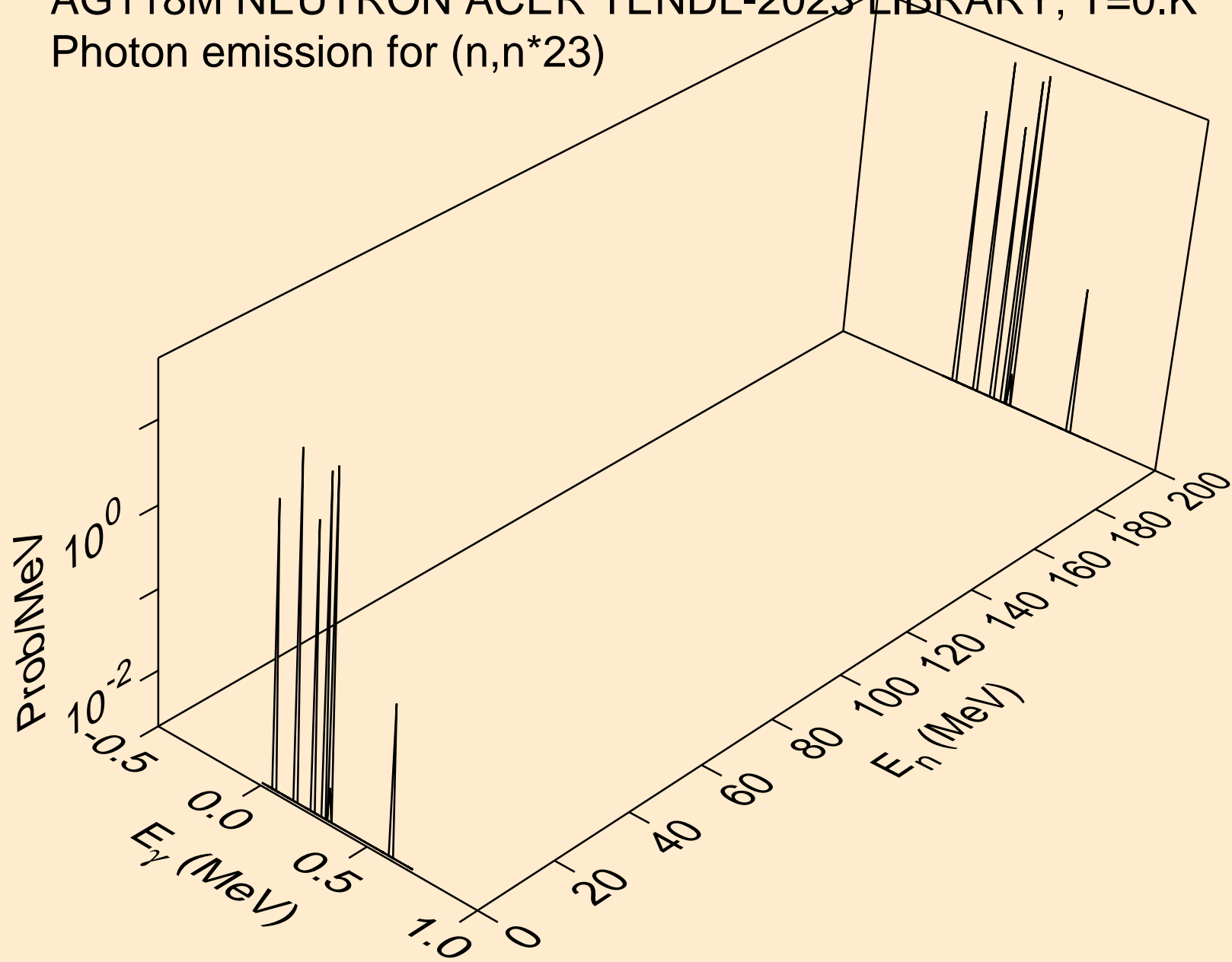
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Photon emission for (n,n\*21)



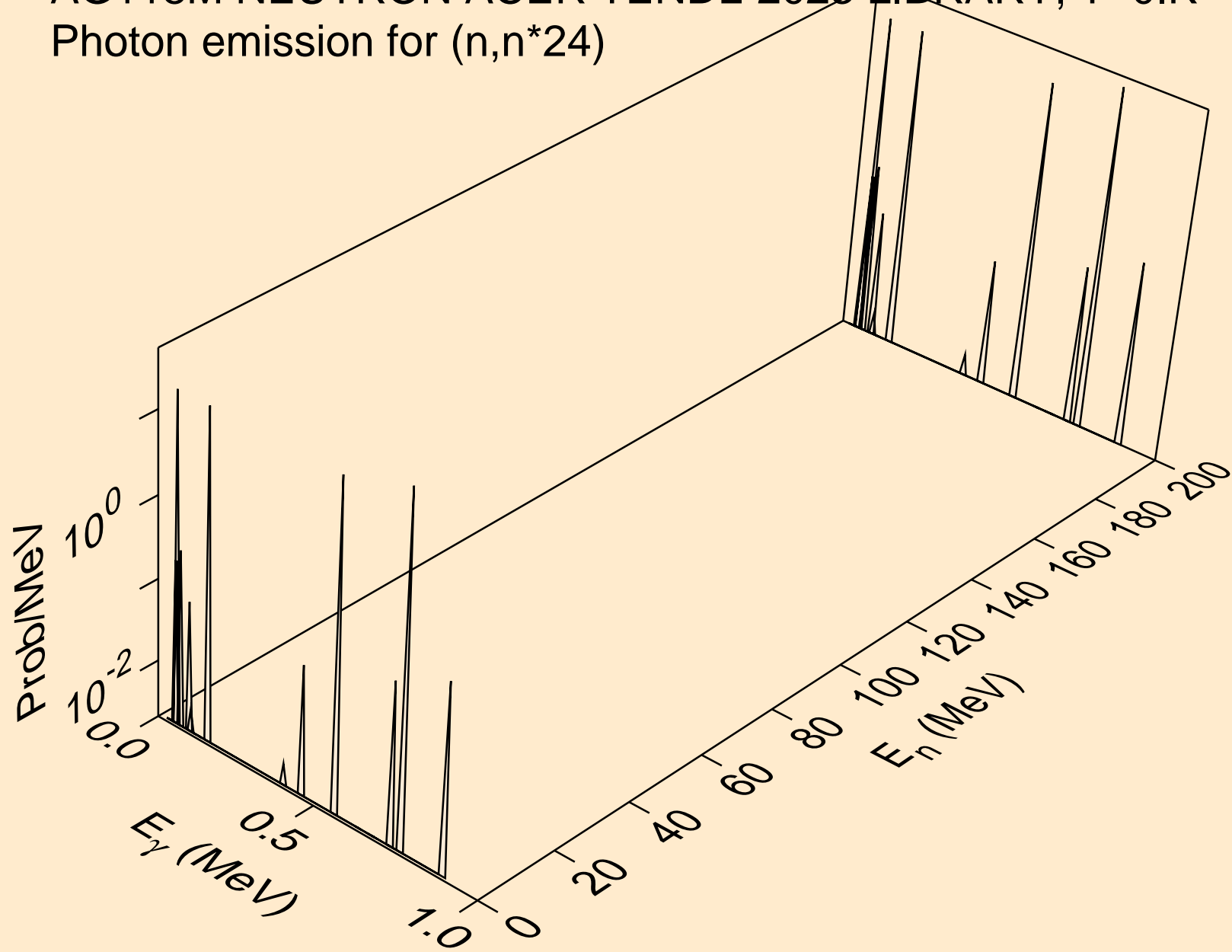
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Photon emission for (n,n\*22)



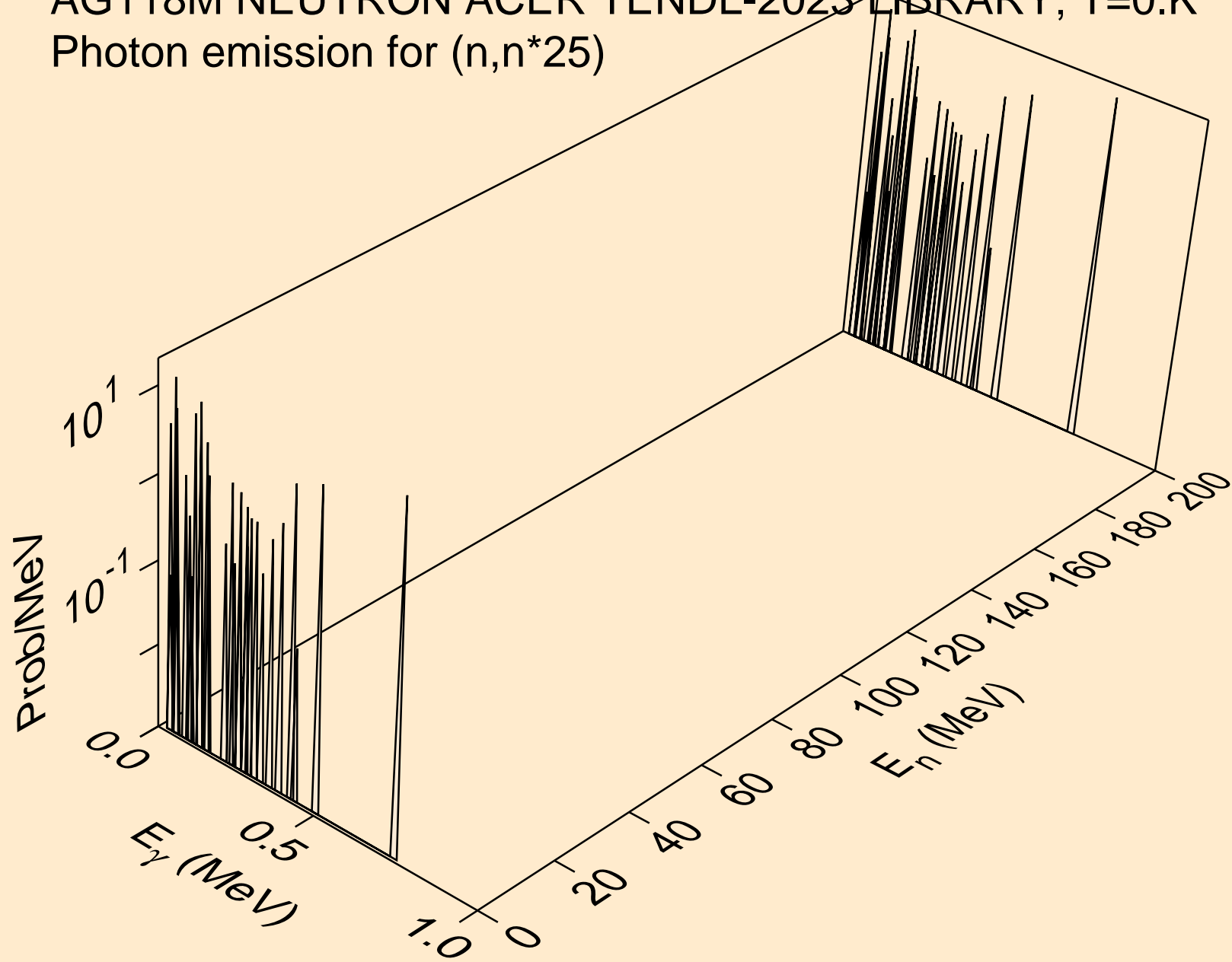
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Photon emission for (n,n\*23)



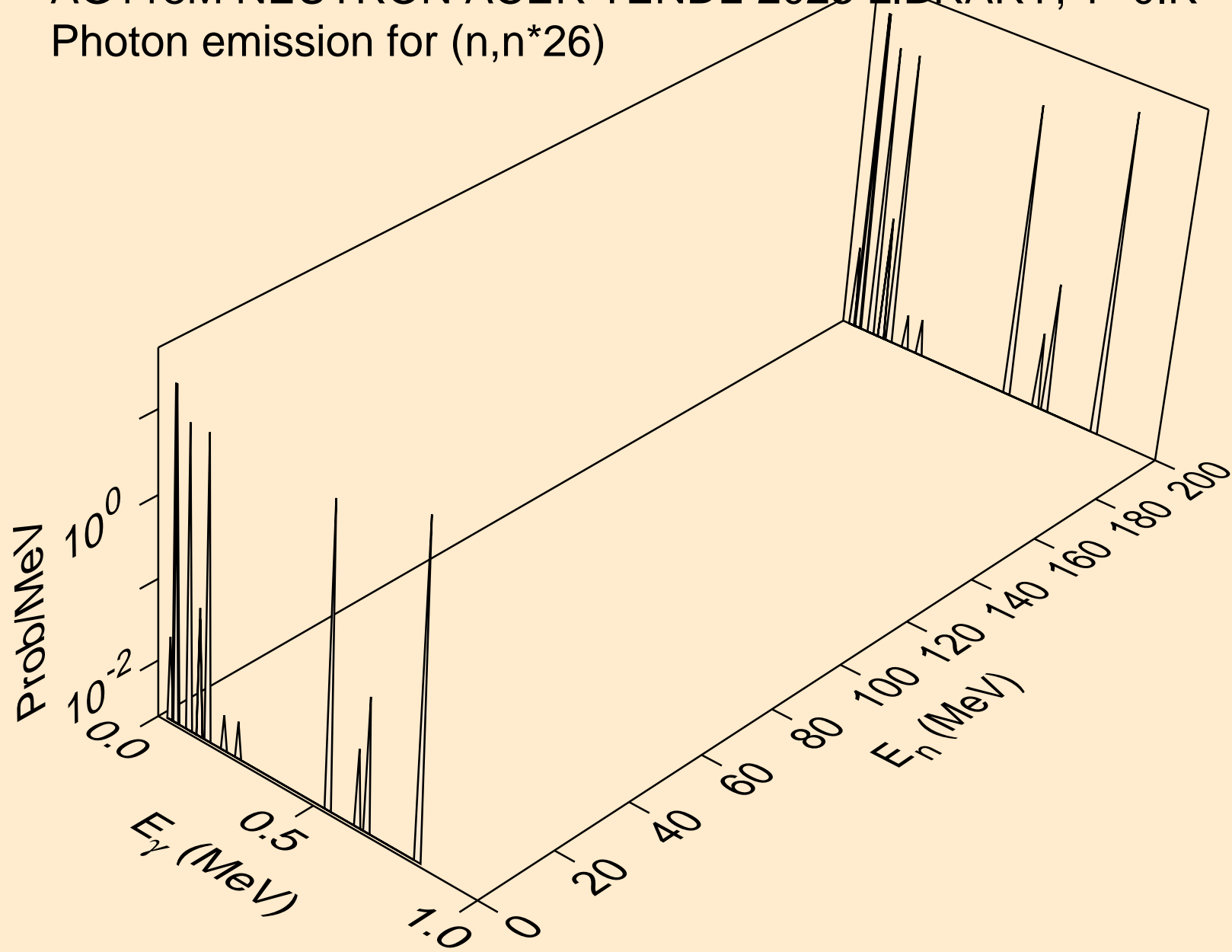
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Photon emission for (n,n\*24)



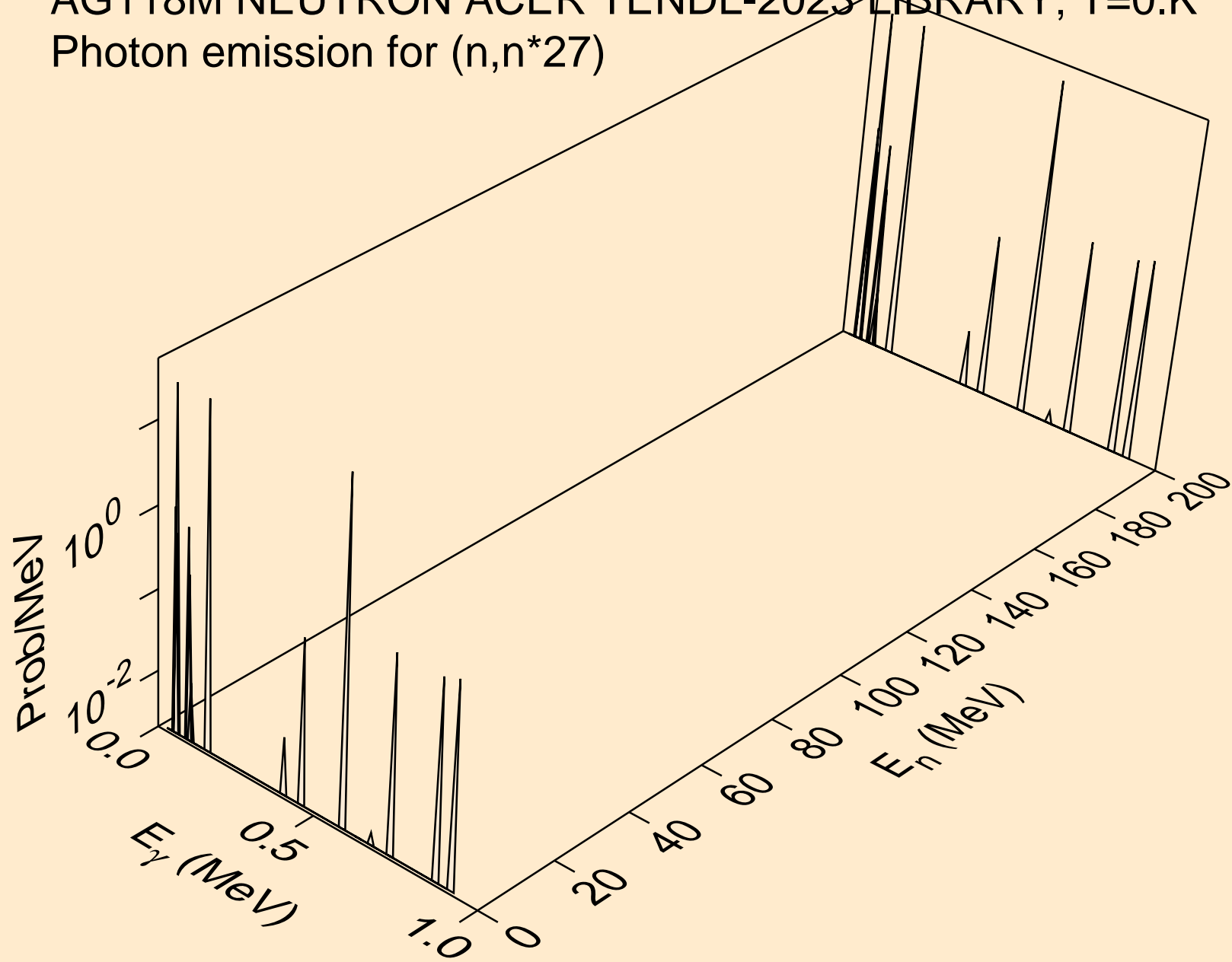
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Photon emission for (n,n\*25)



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*26)

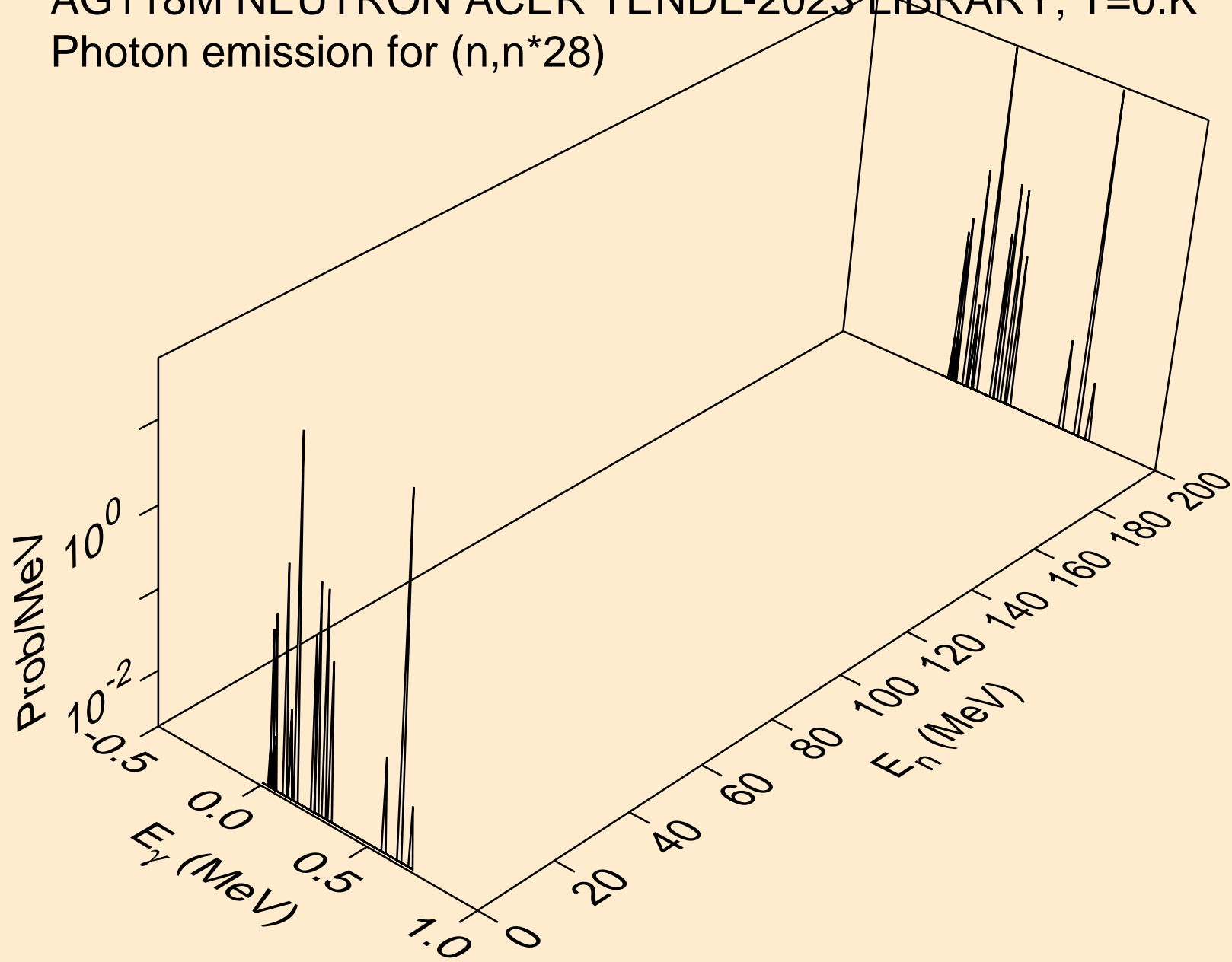


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Photon emission for (n,n\*27)

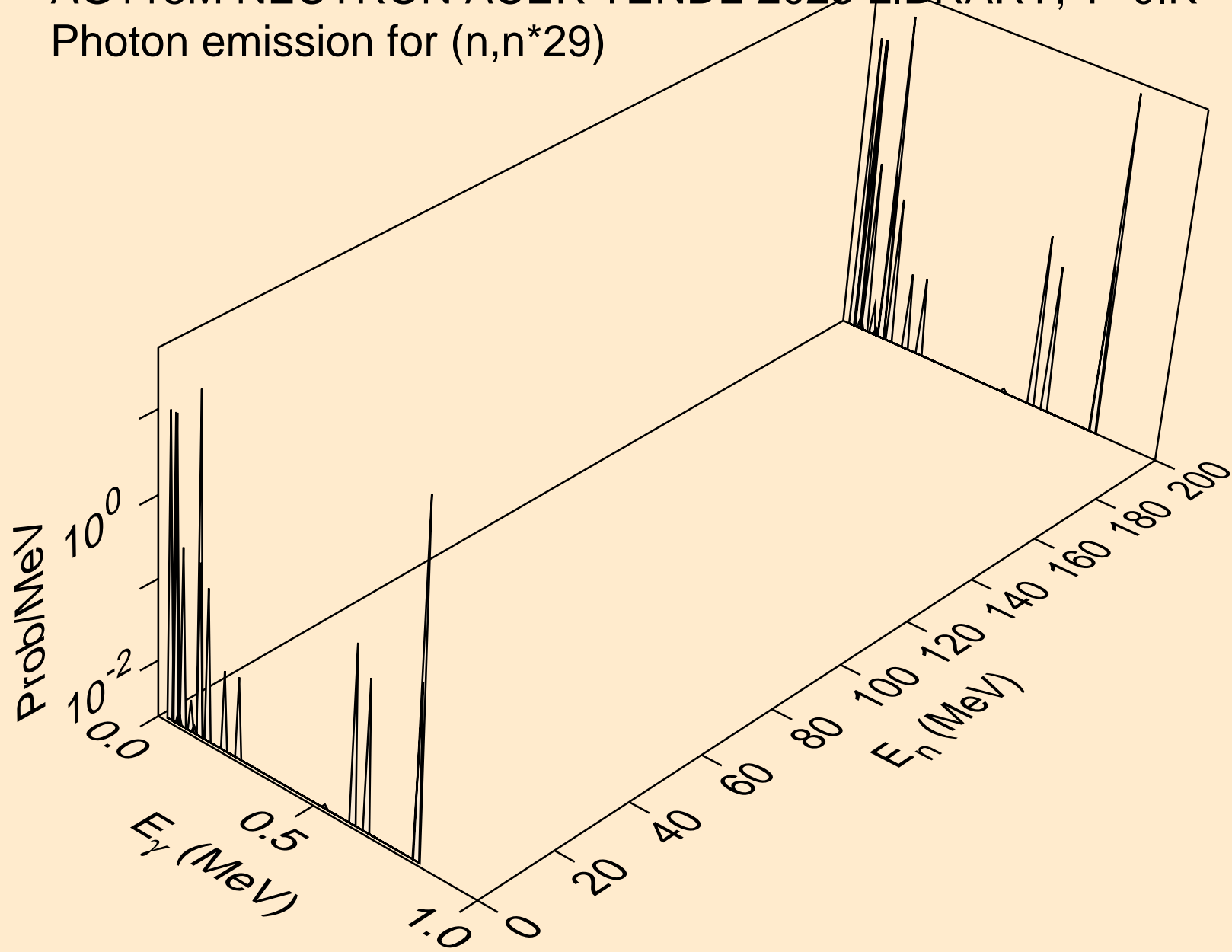




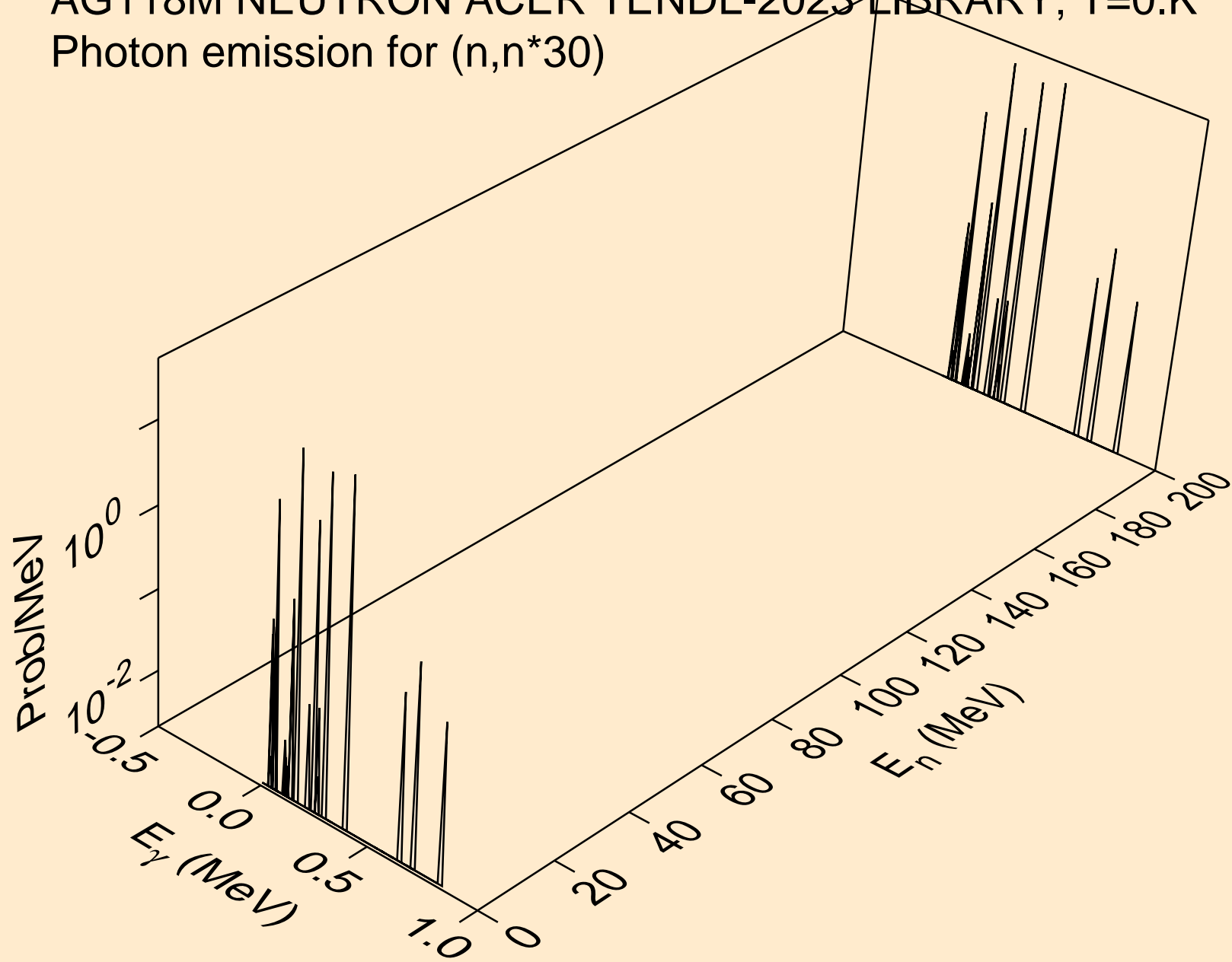
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Photon emission for (n,n\*28)



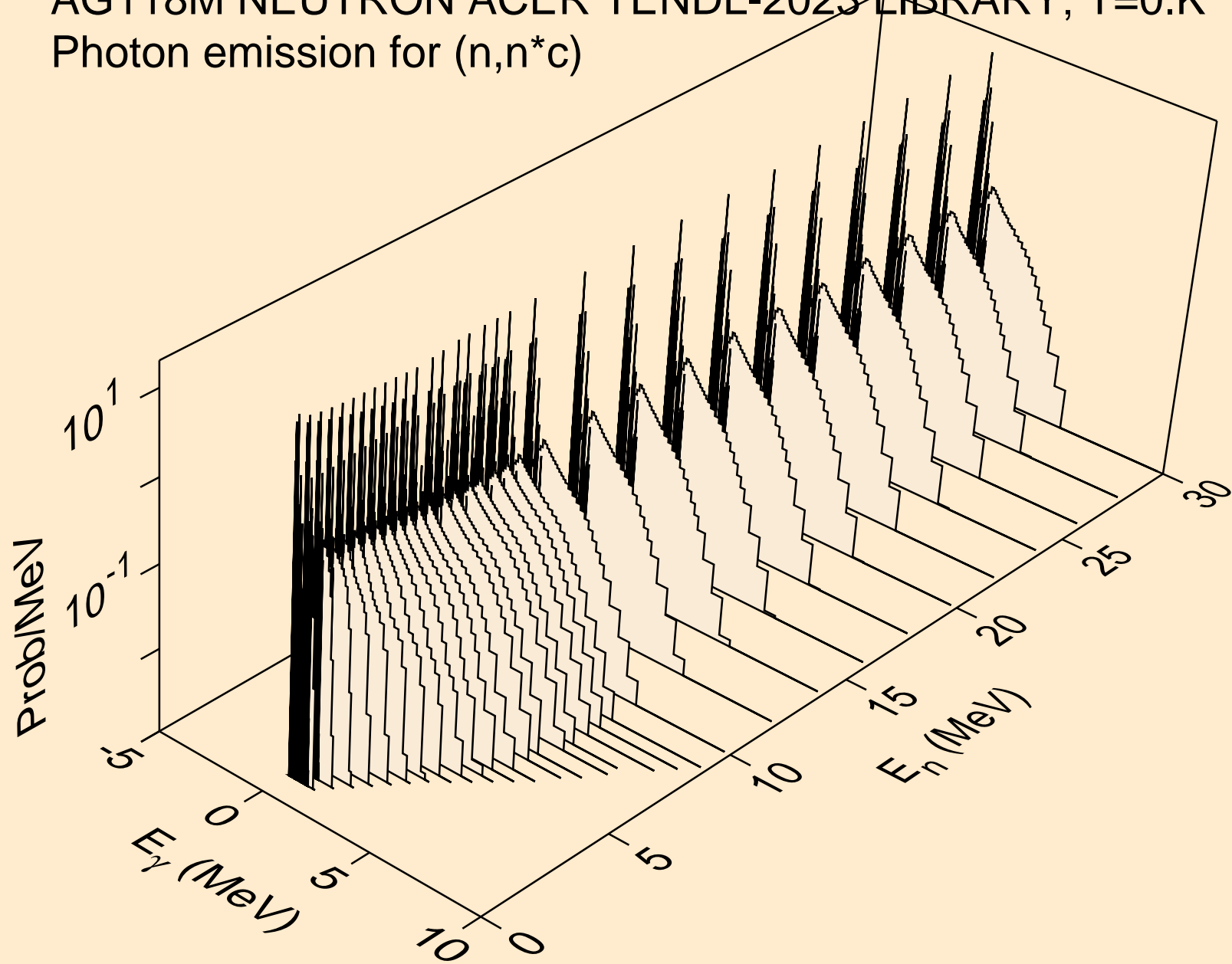
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Photon emission for (n,n\*29)



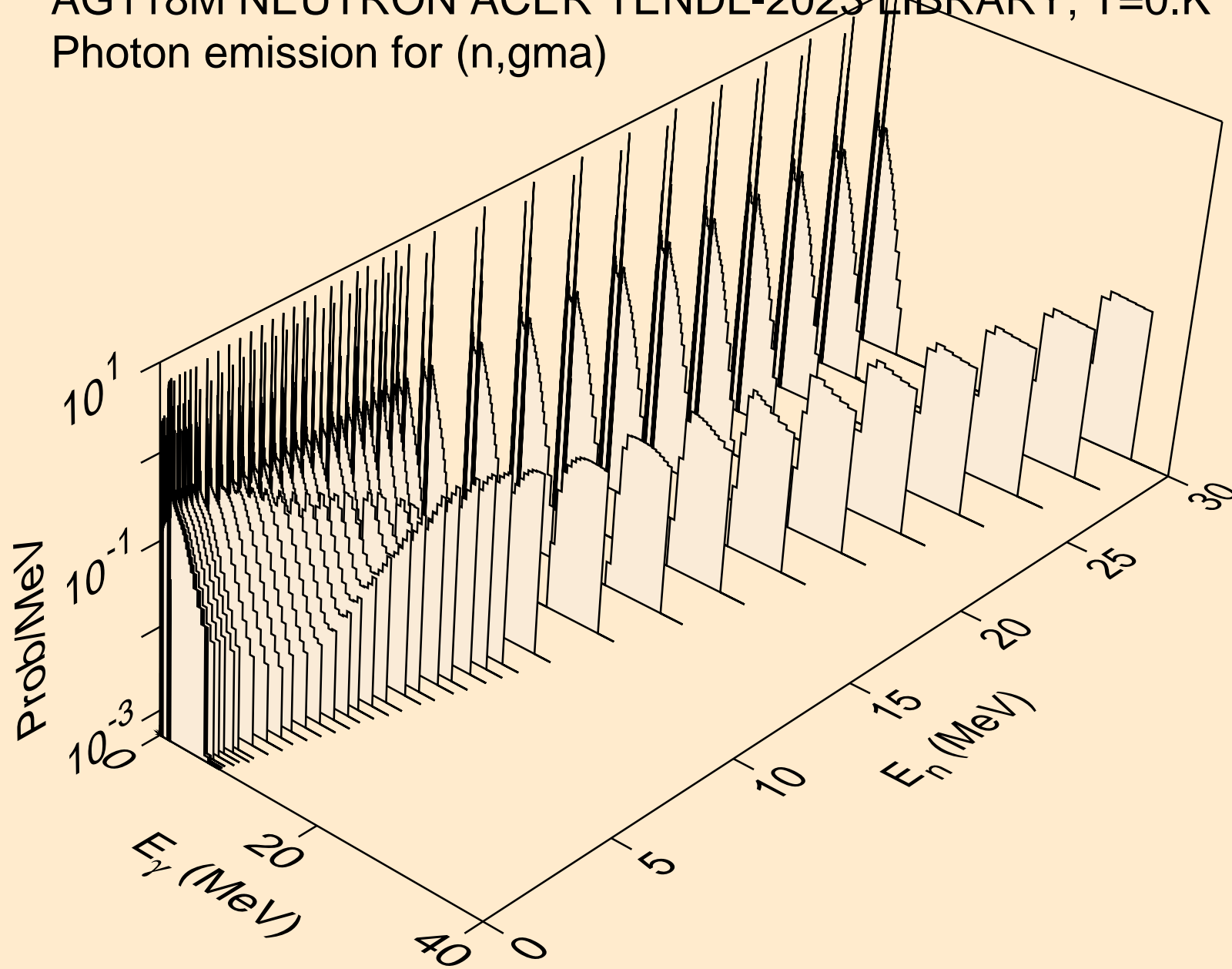
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Photon emission for (n,n\*30)



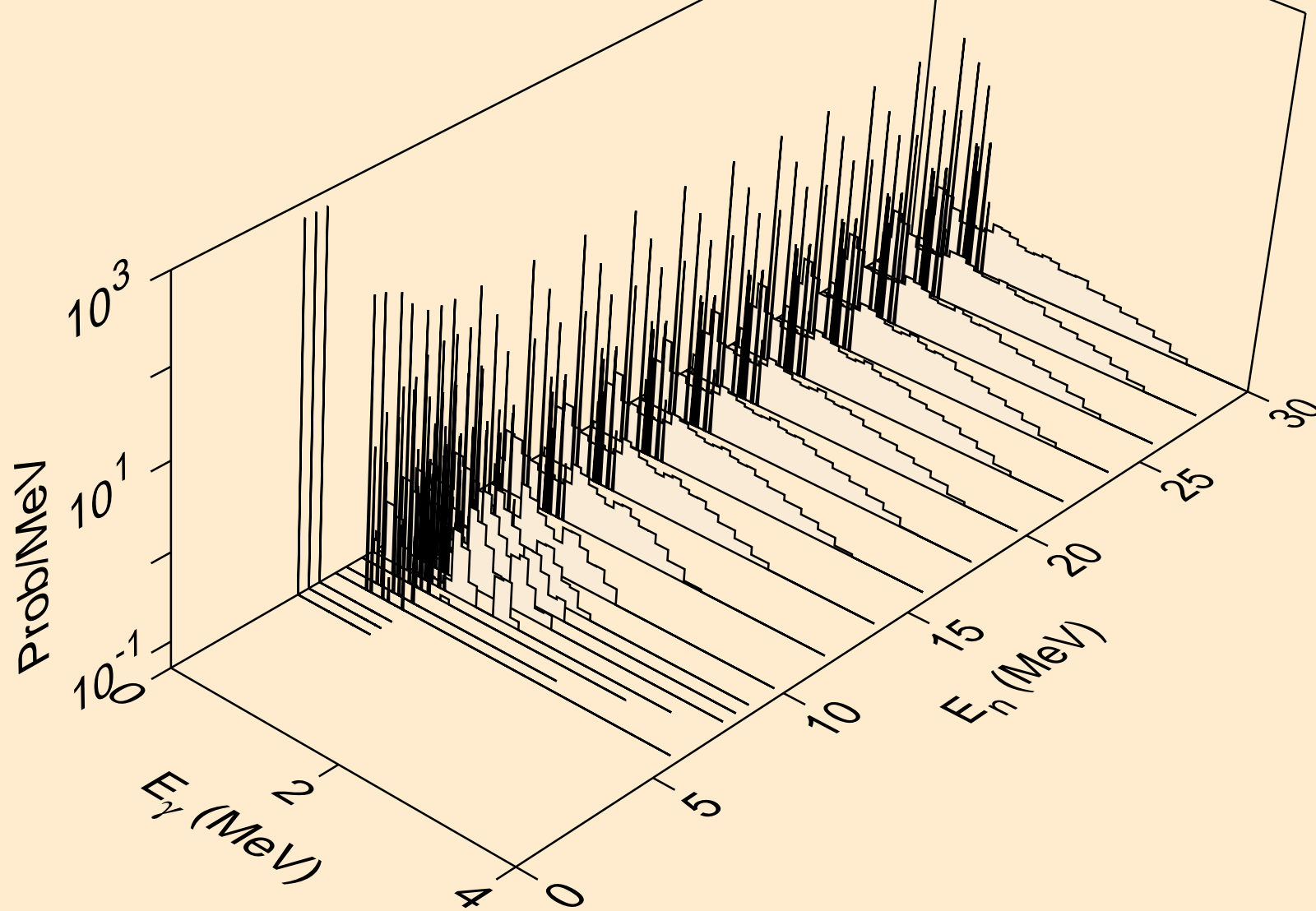
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Photon emission for (n,n\*c)



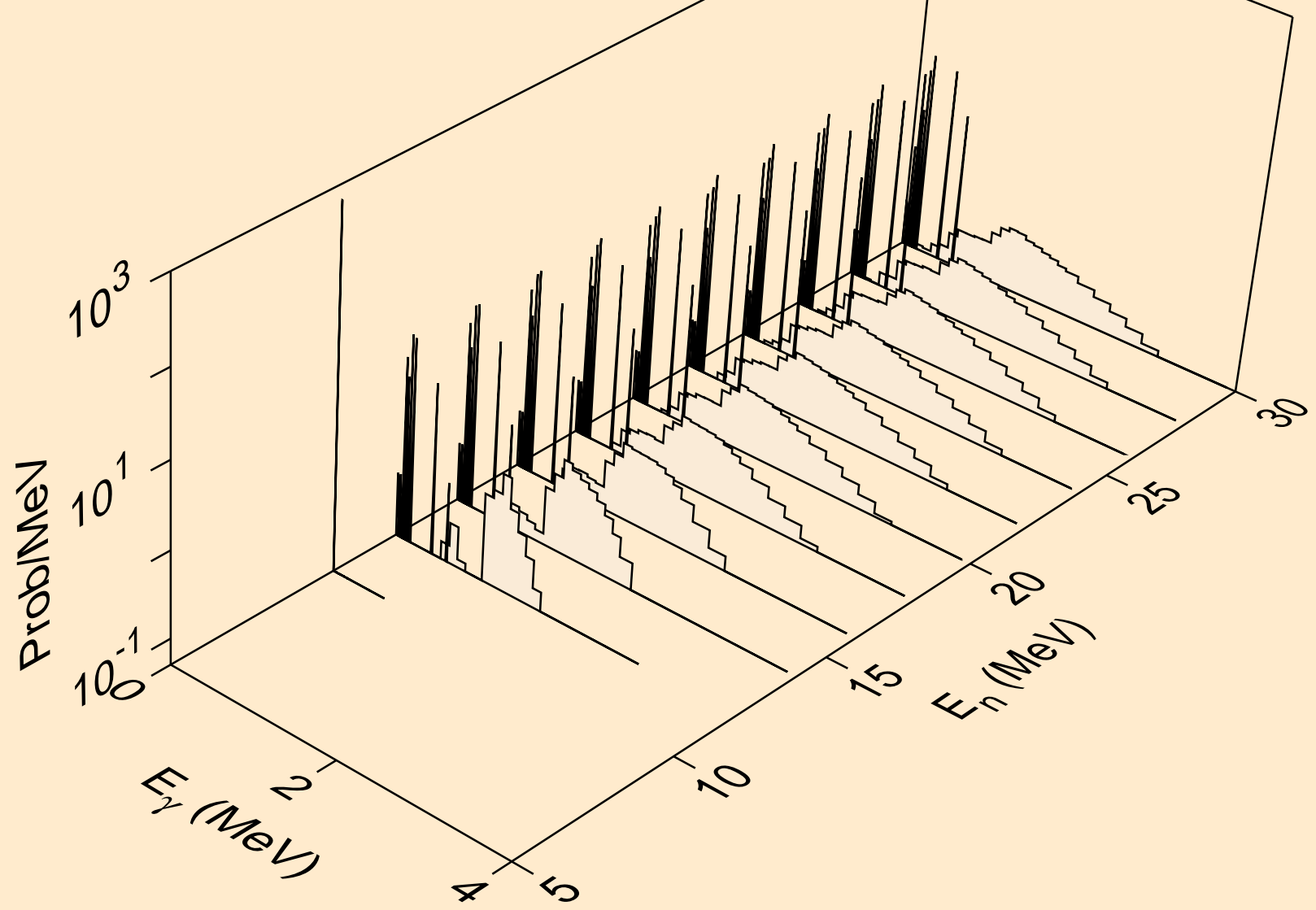
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Photon emission for (n,gma)



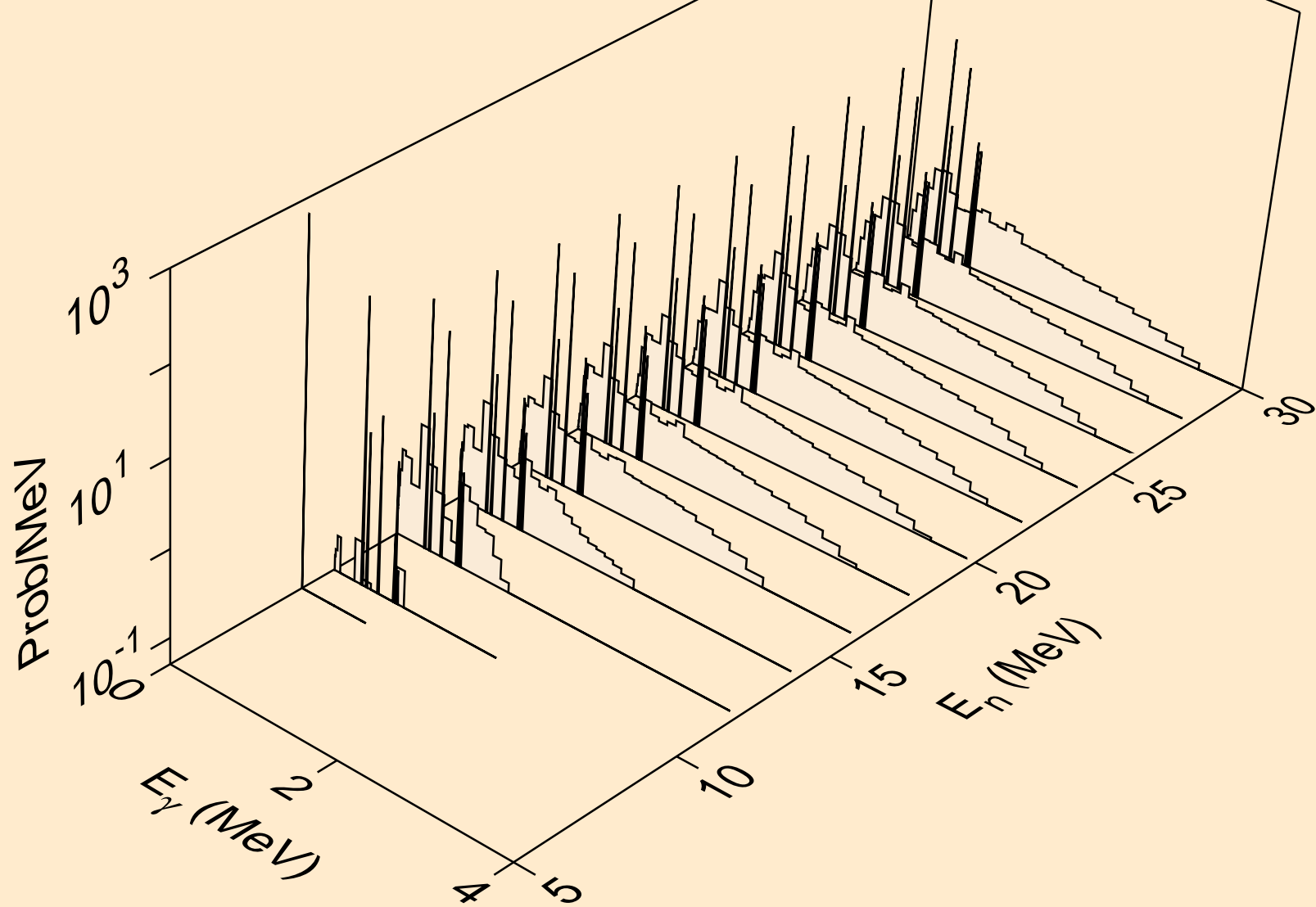
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Photon emission for (n,p)



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

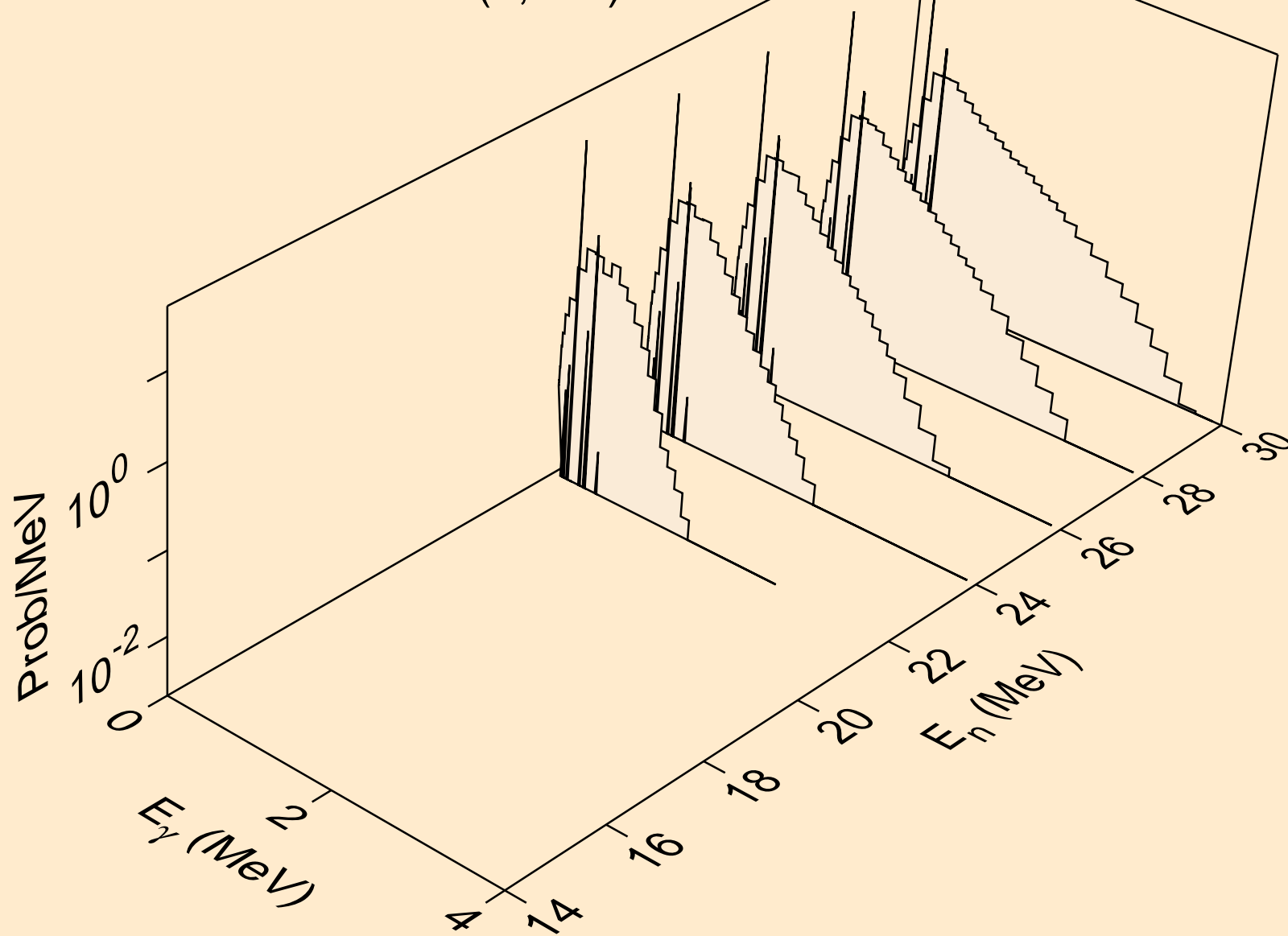


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Photon emission for (n,t)

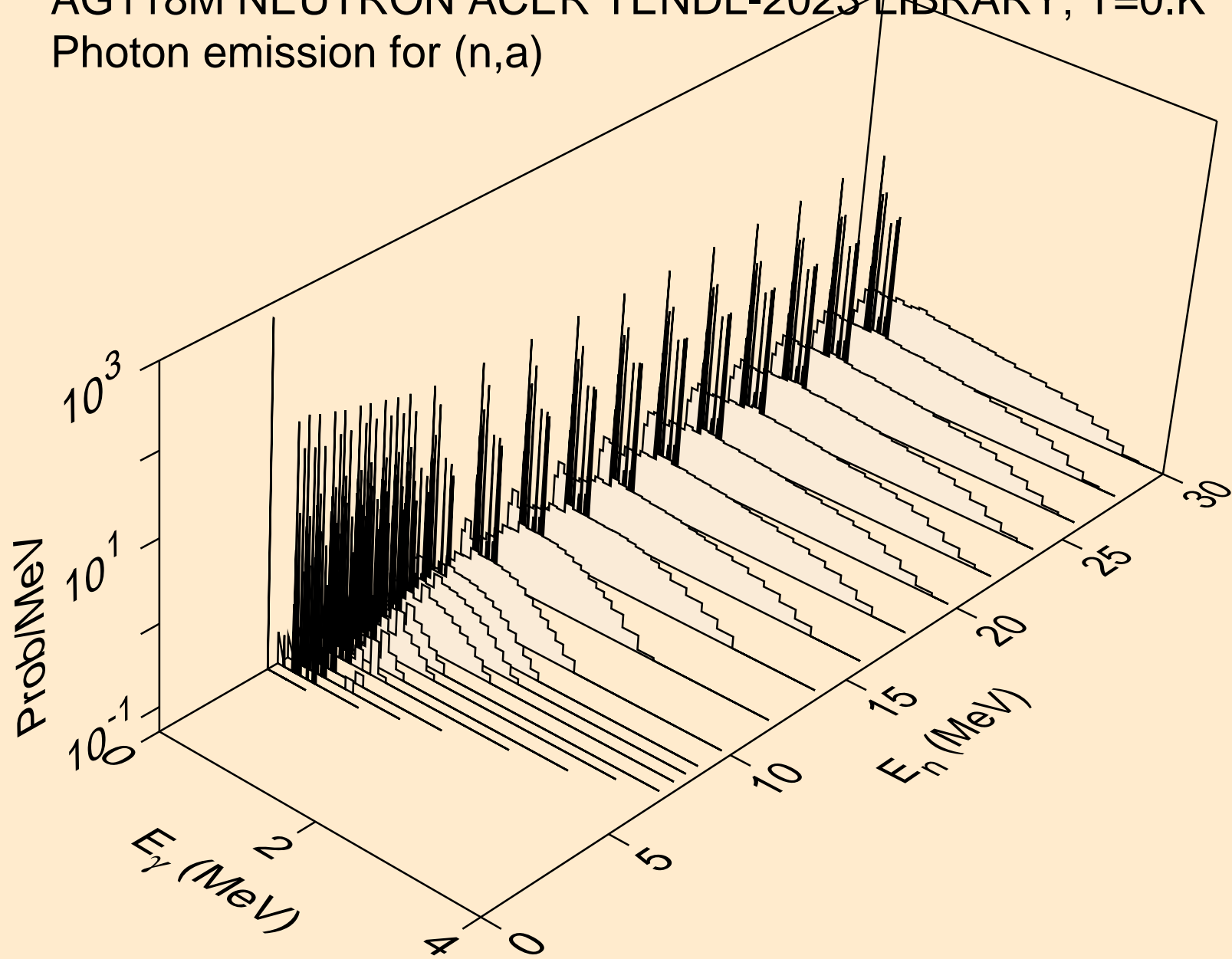




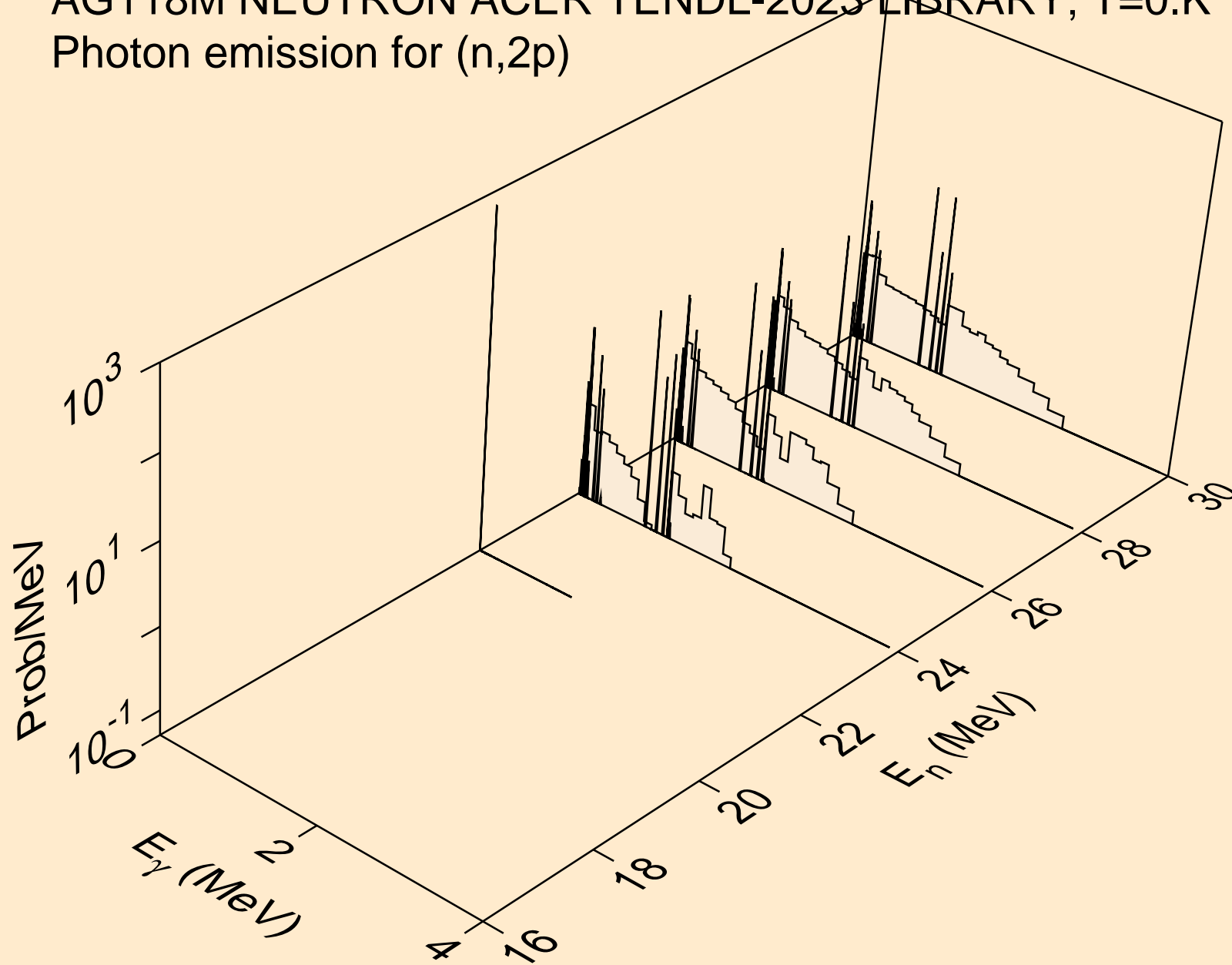
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Photon emission for (n,he3)



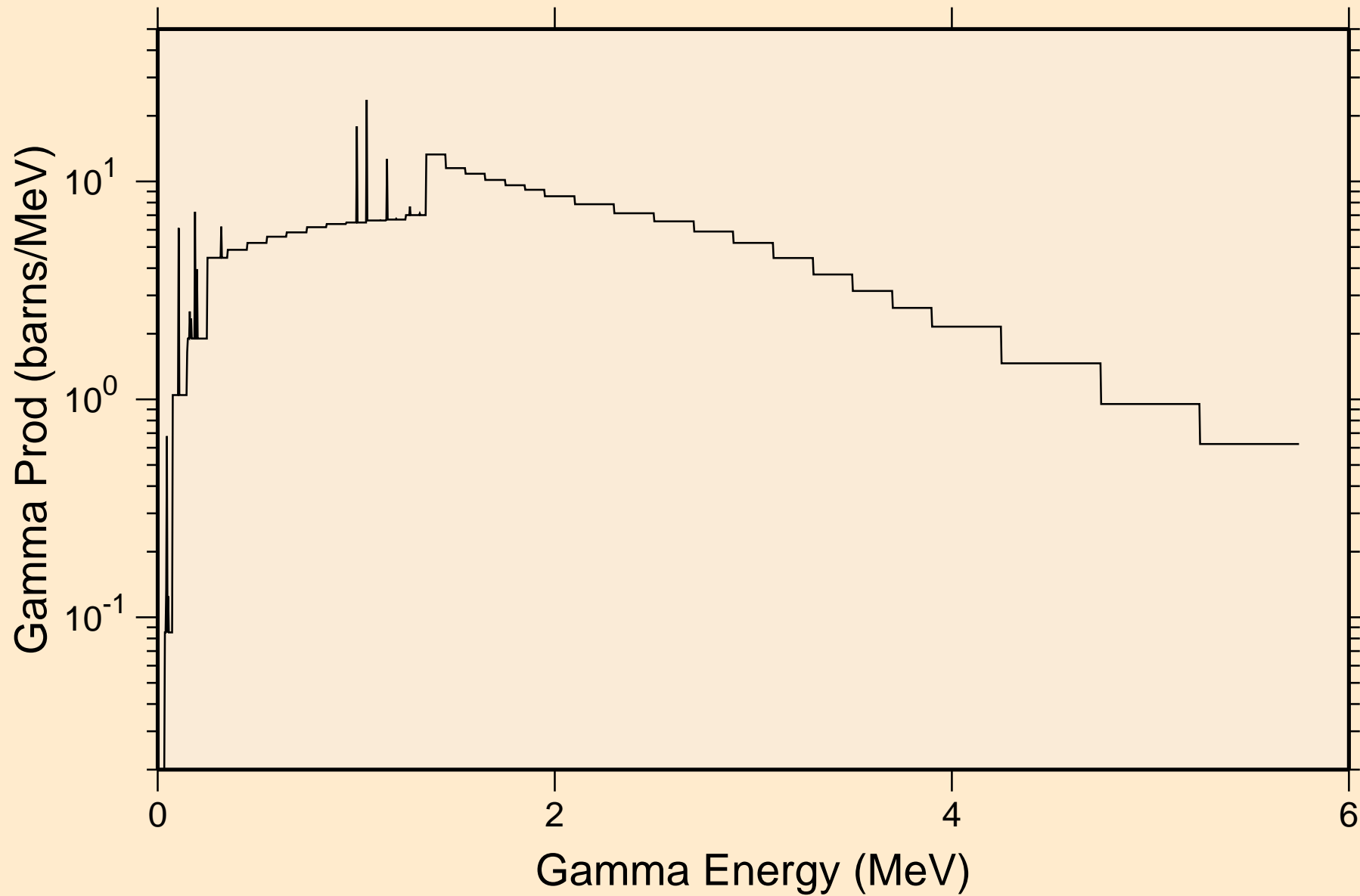
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Photon emission for (n,a)



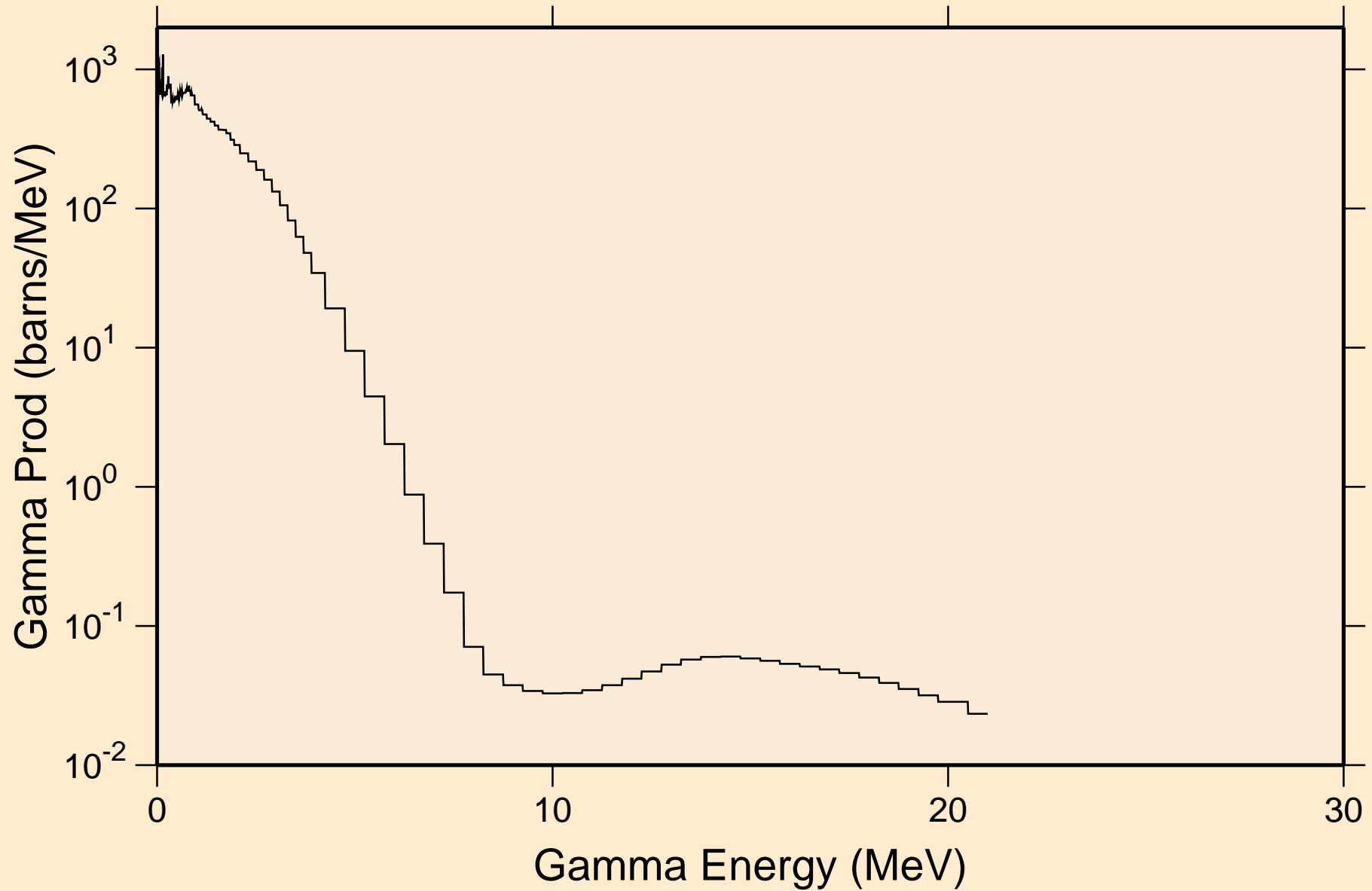
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Photon emission for (n,2p)



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

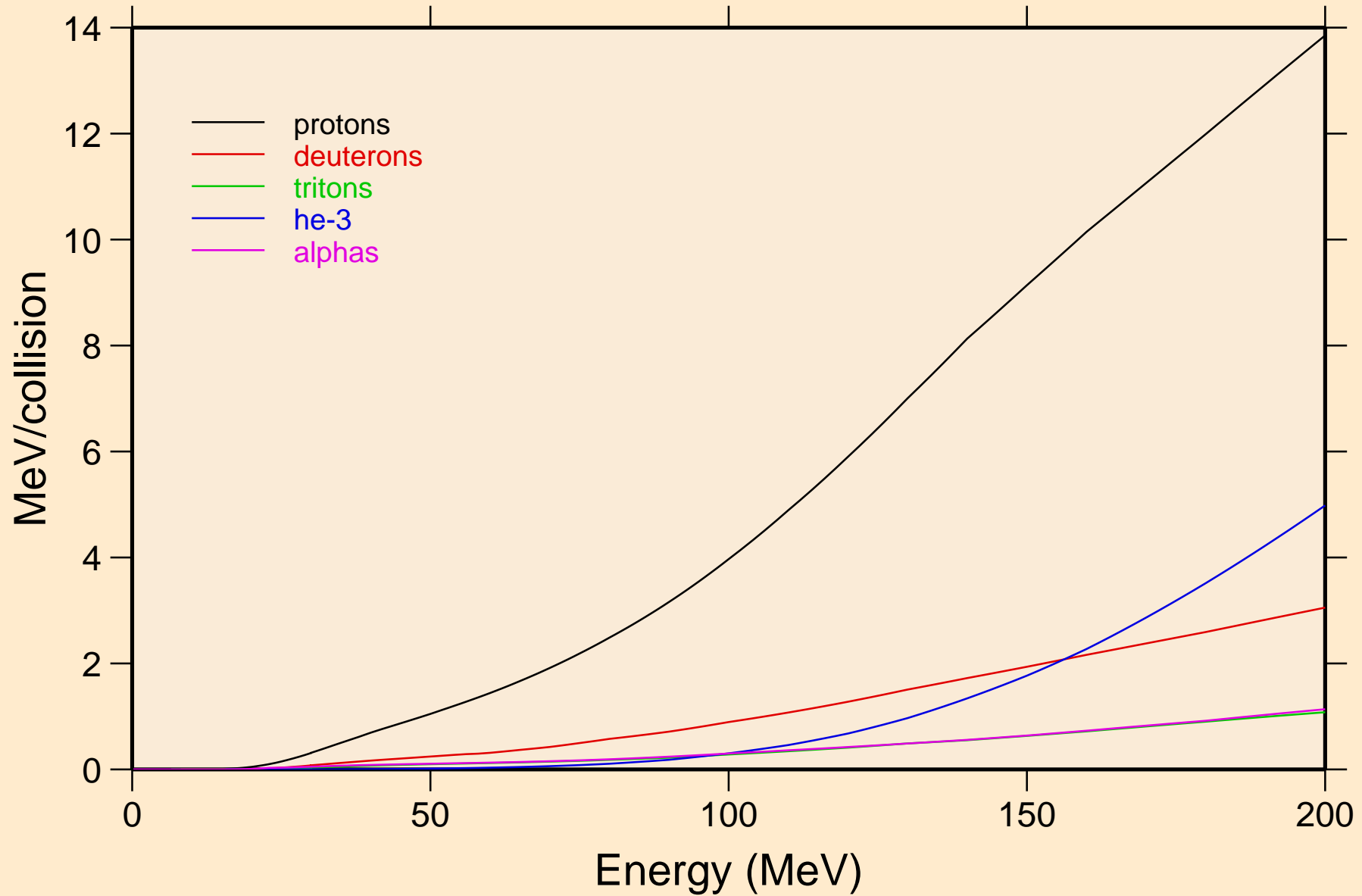


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14 MeV photon spectrum



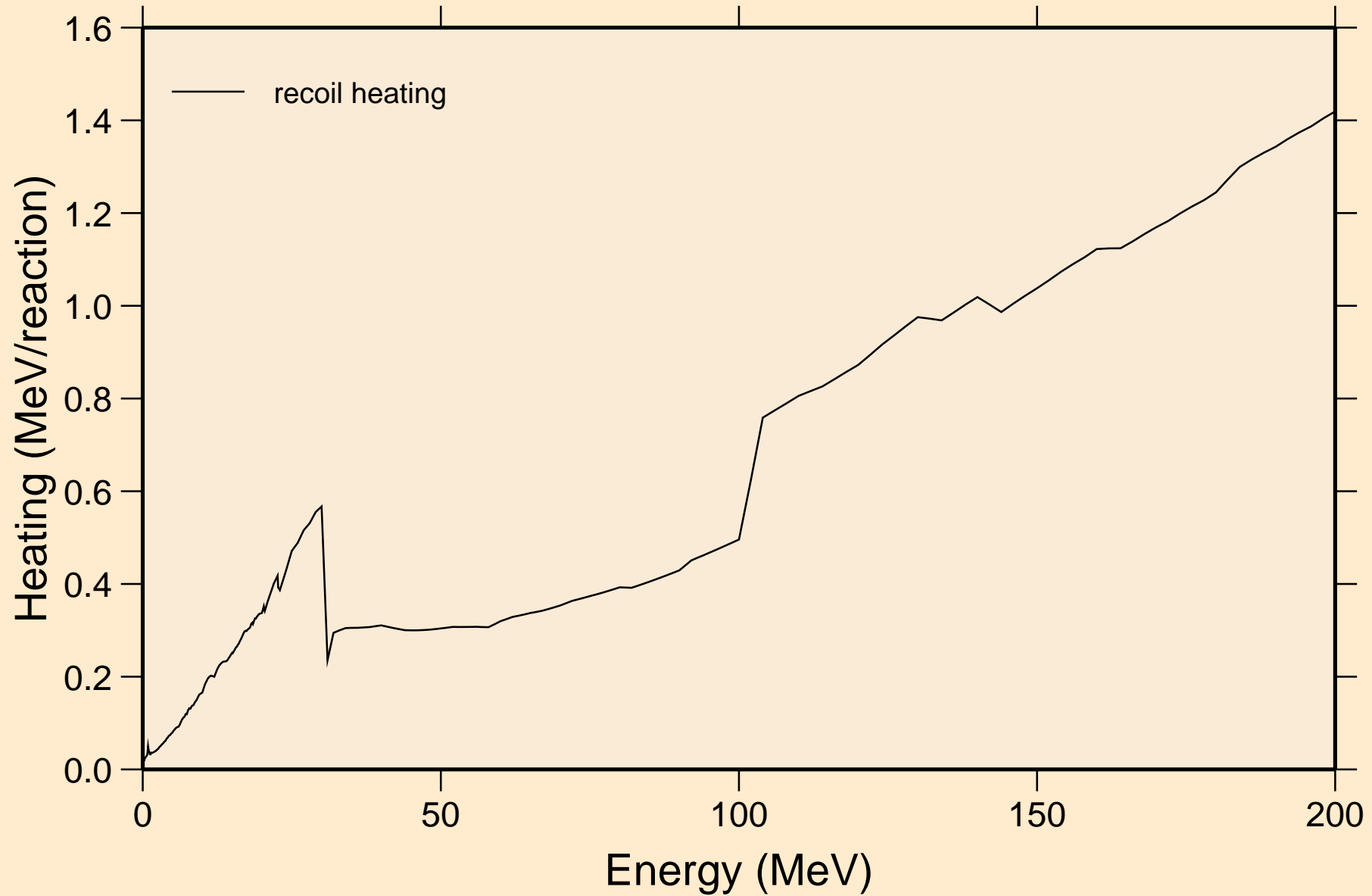
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## Particle heating contributions



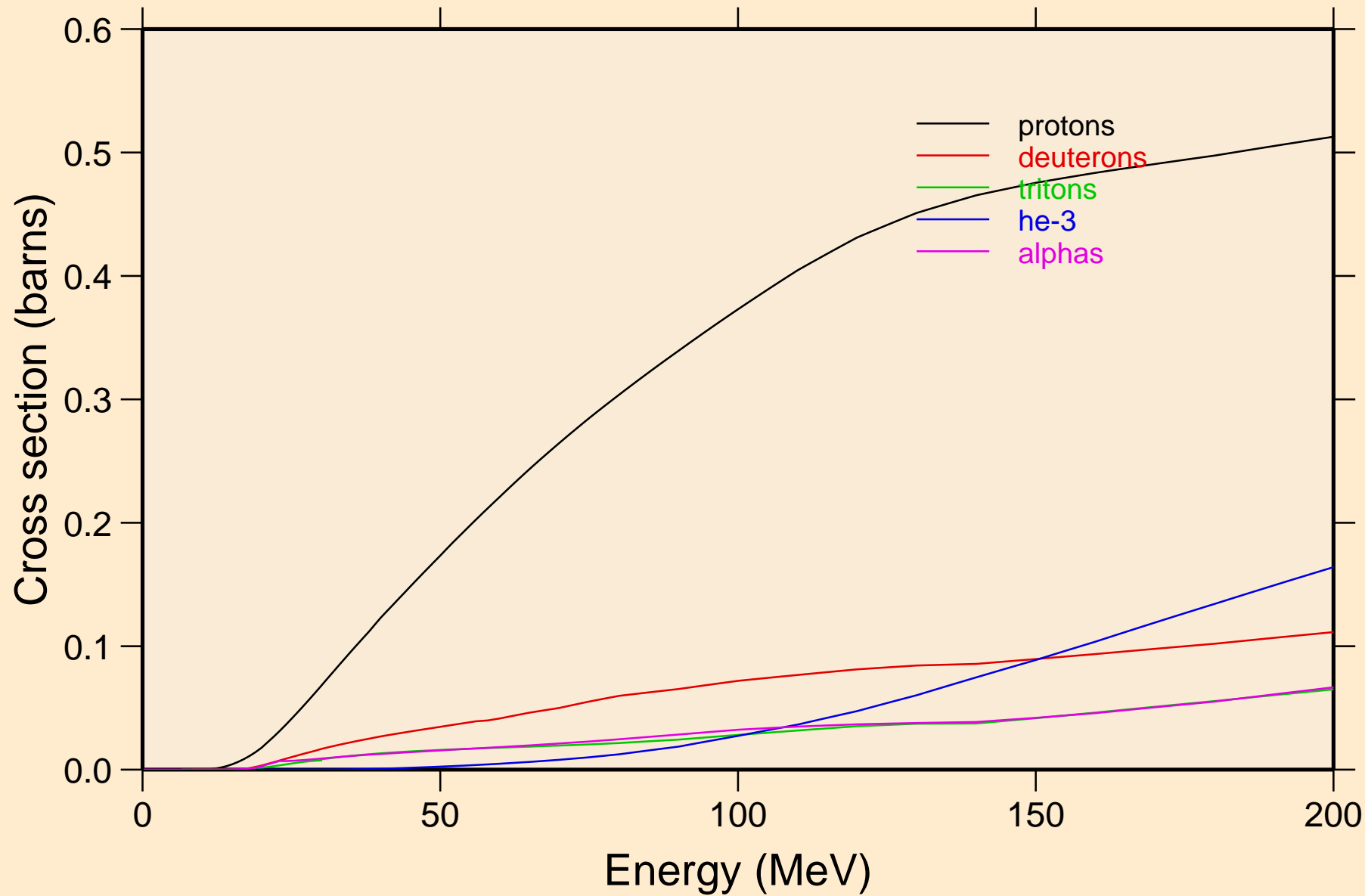
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## Recoil Heating



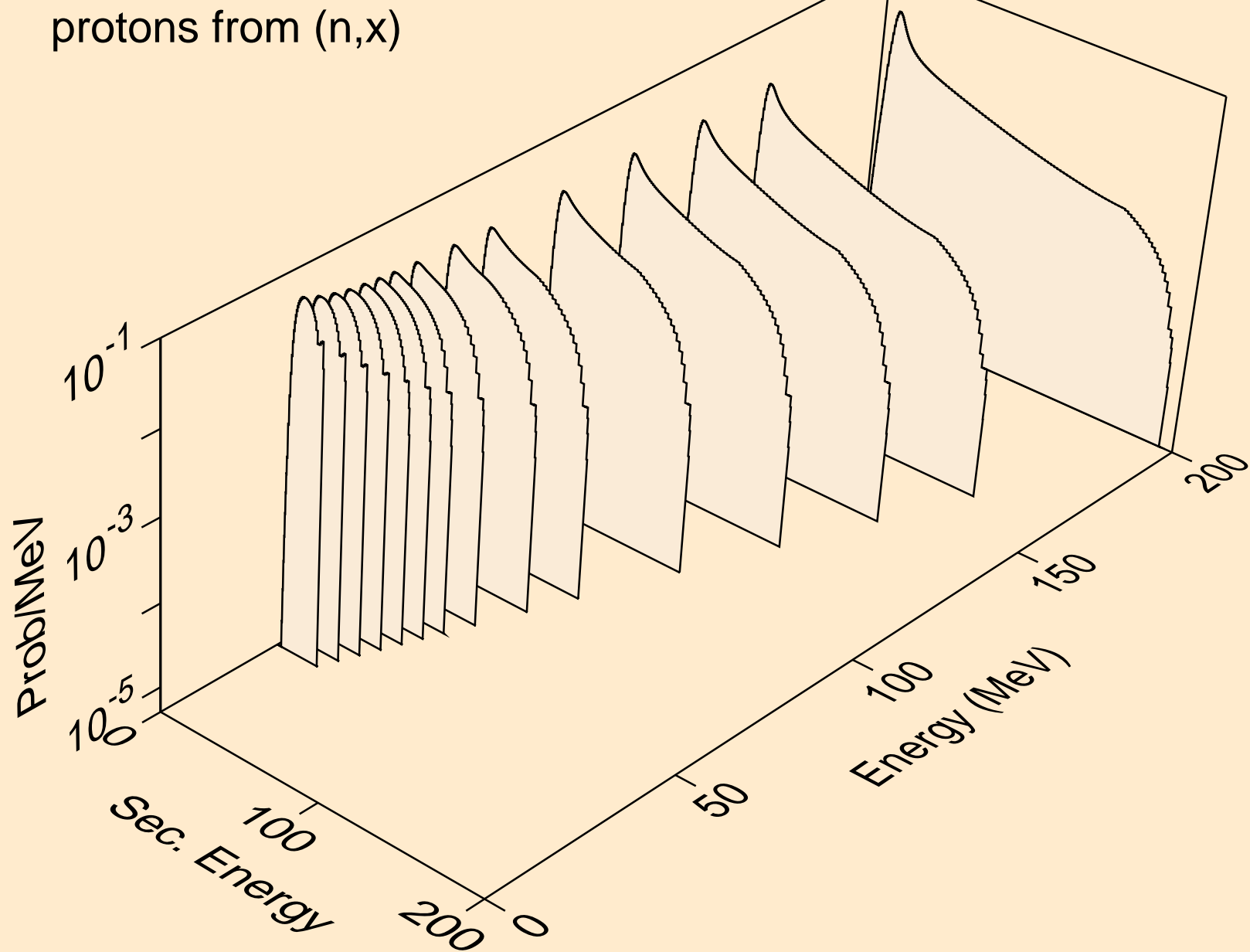
# AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Particle production cross sections

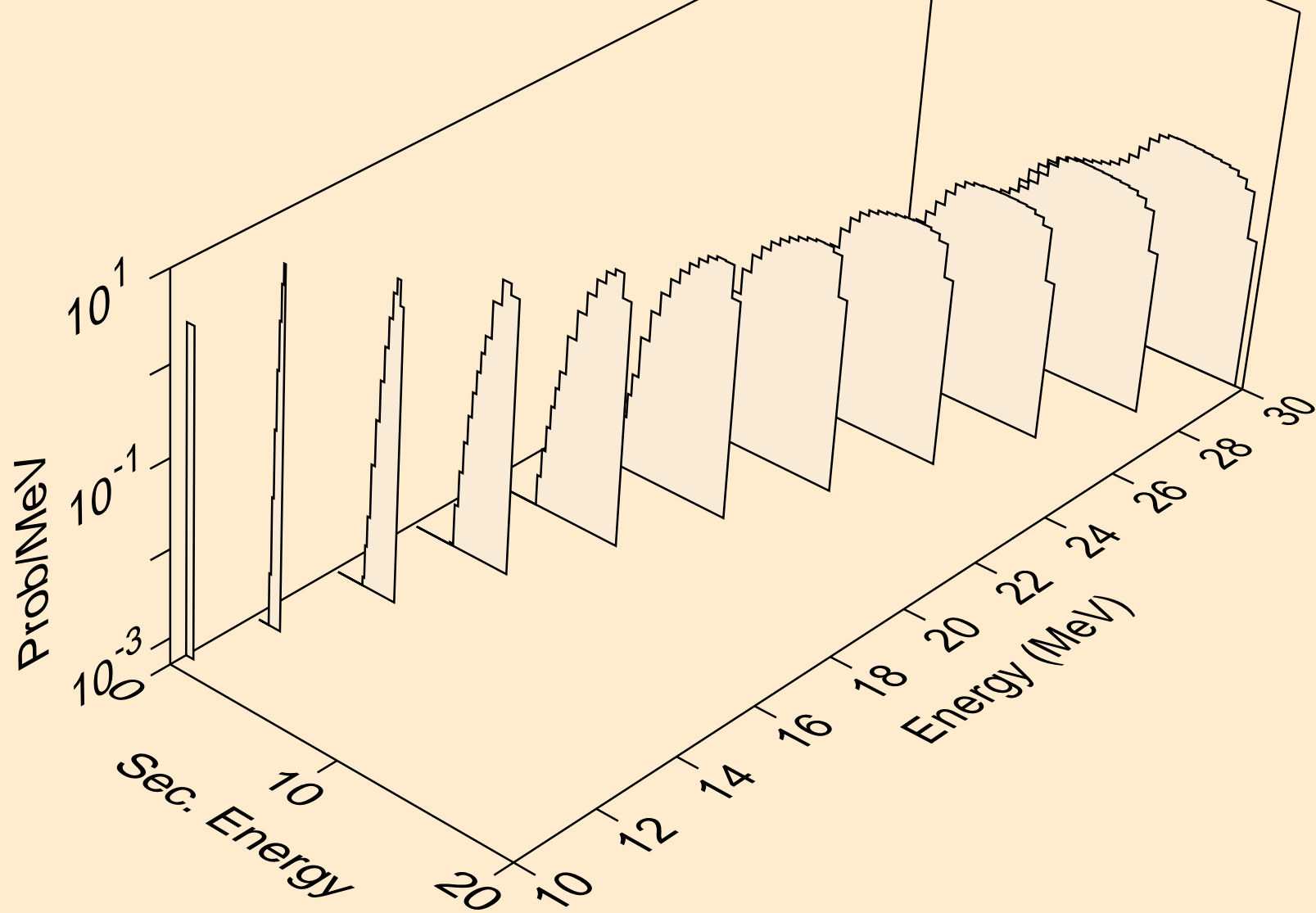




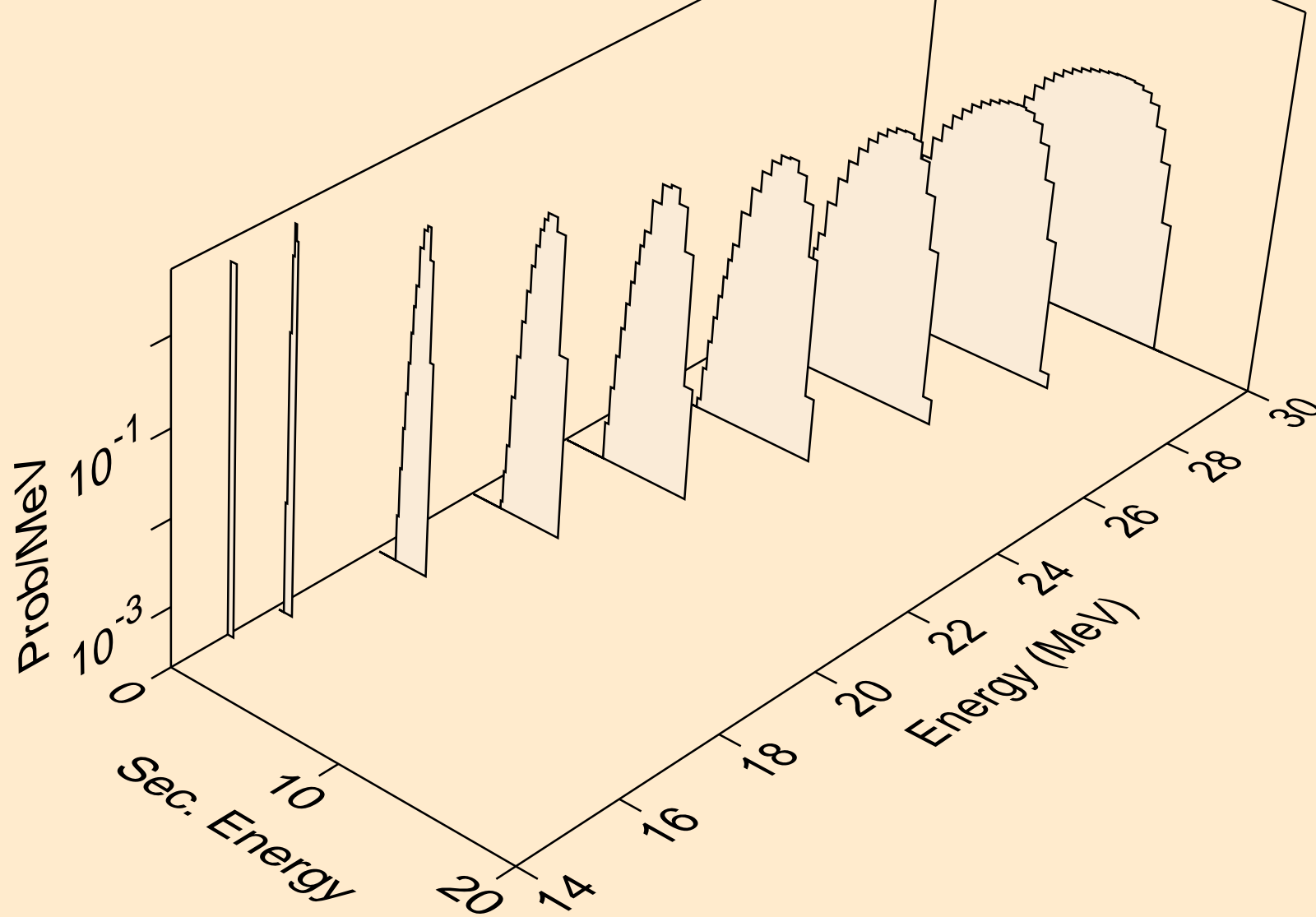
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protons from (n,x)



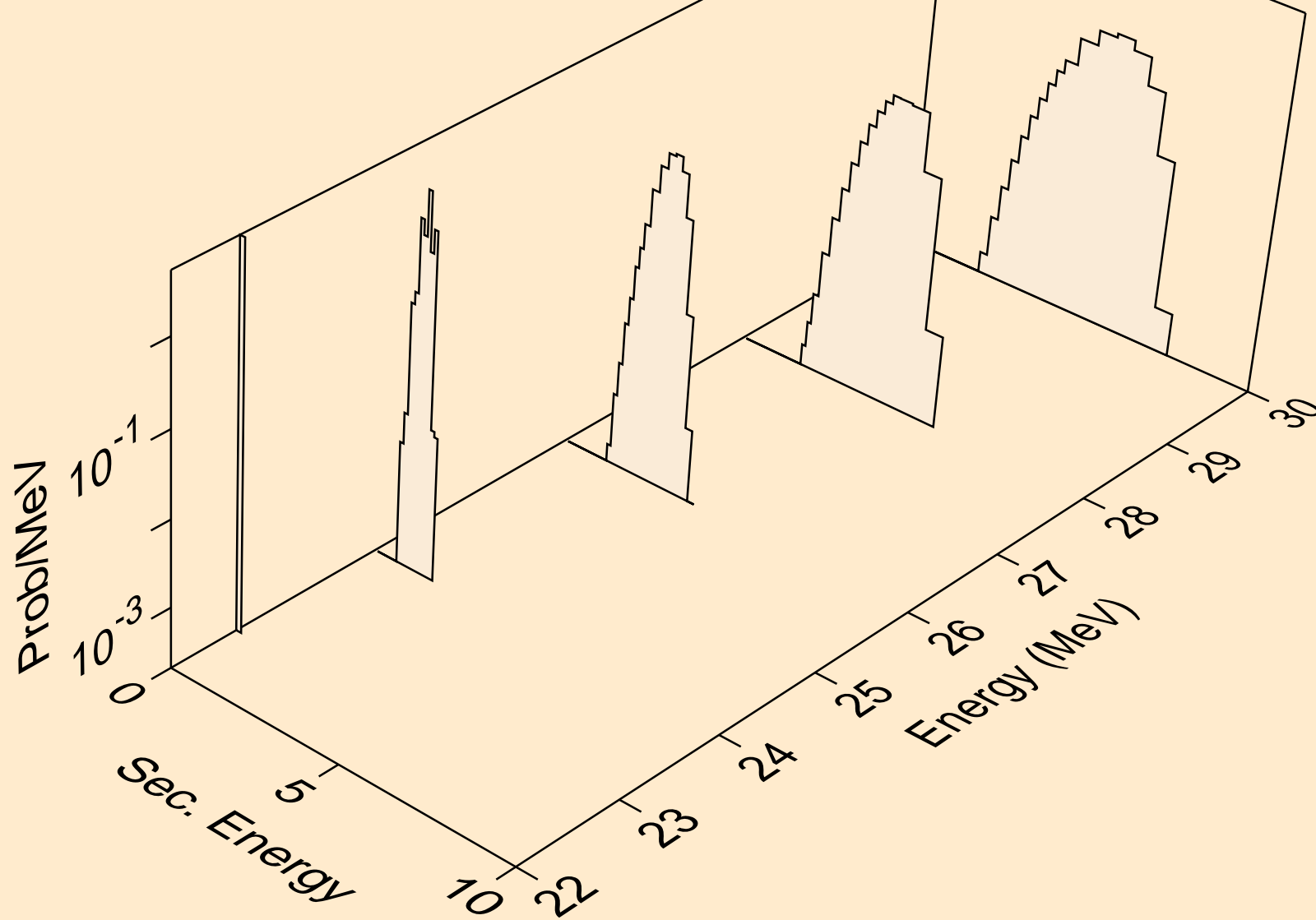
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protons from (n,n\*)p



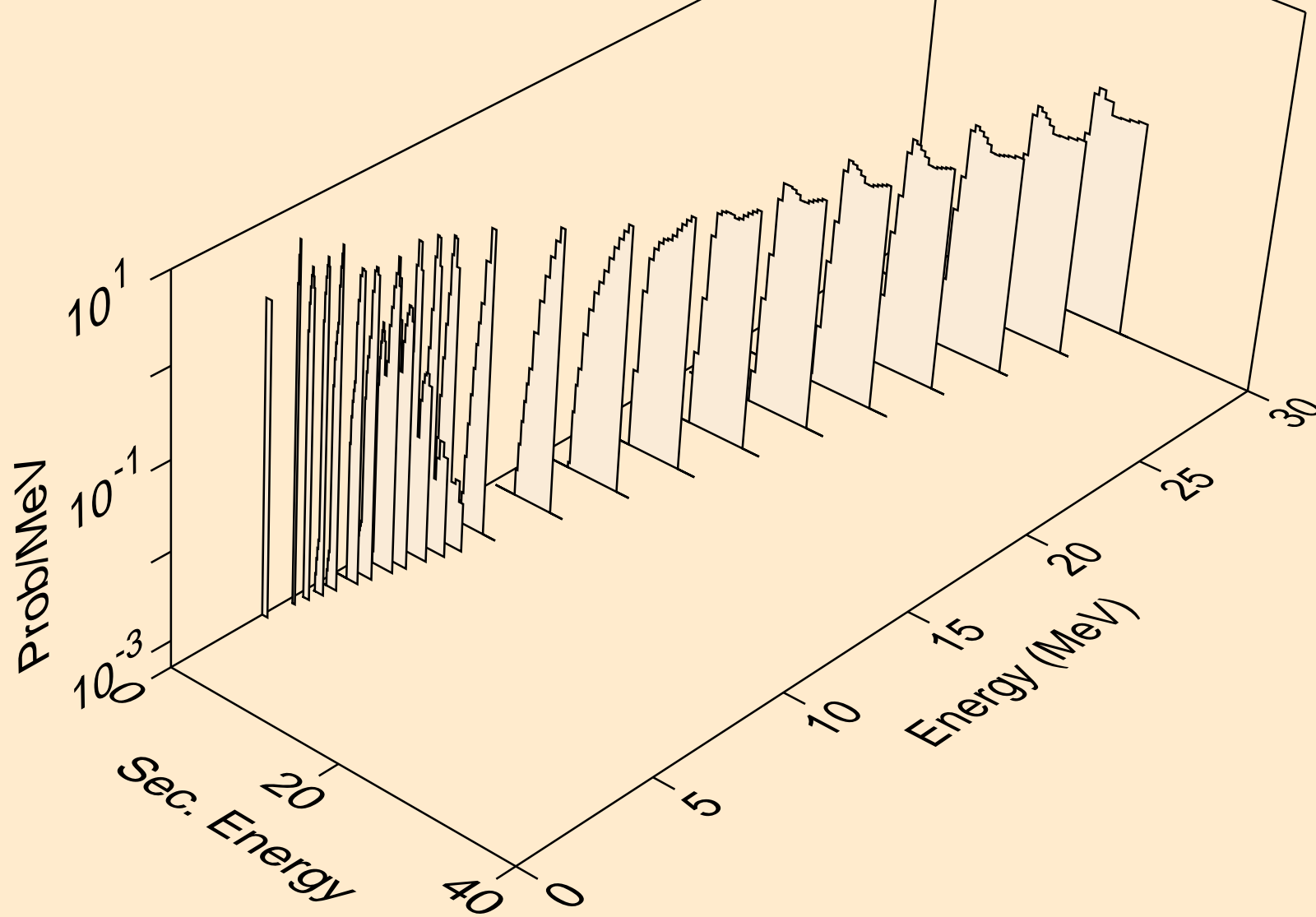
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protons from (n,2np)



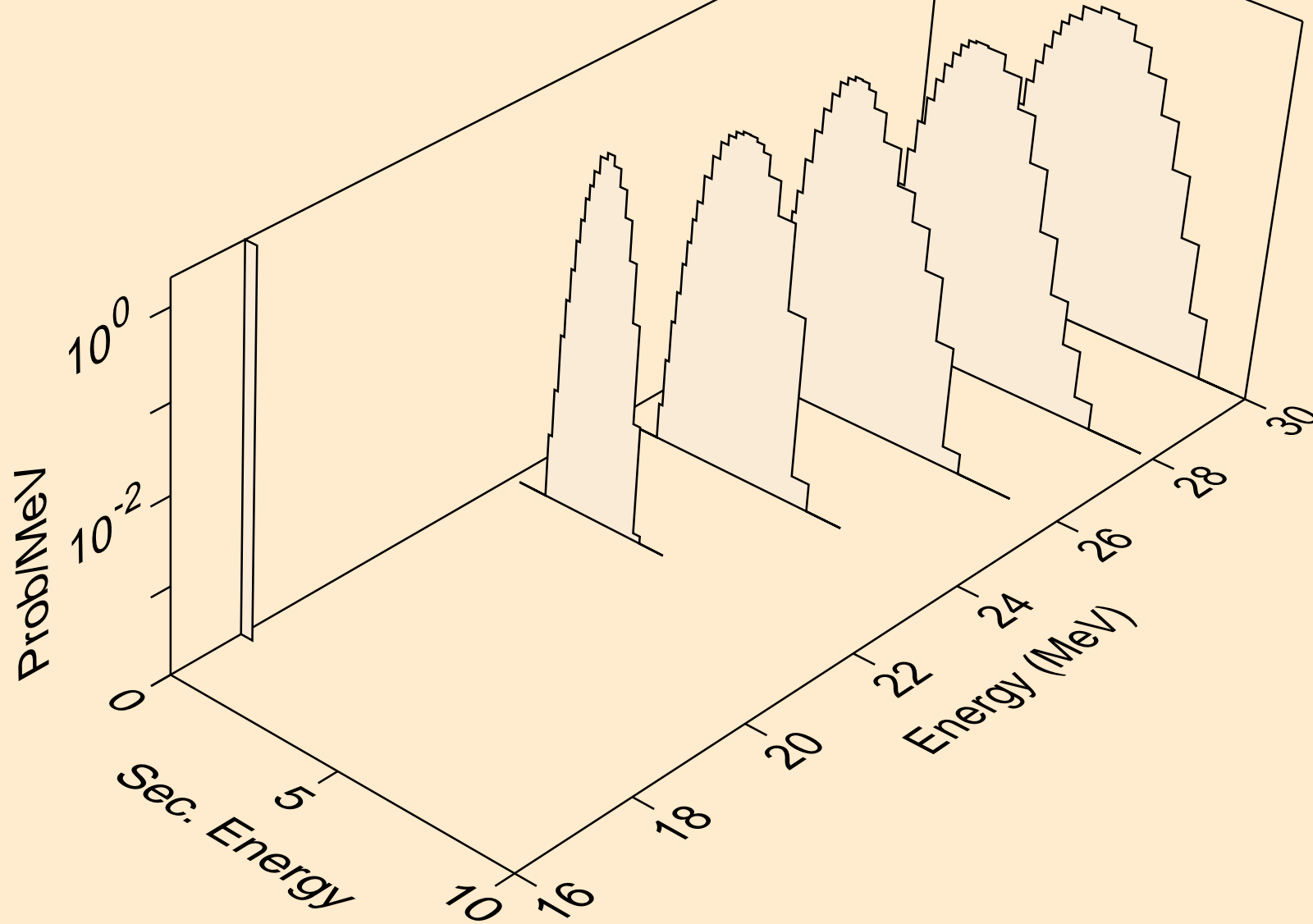
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



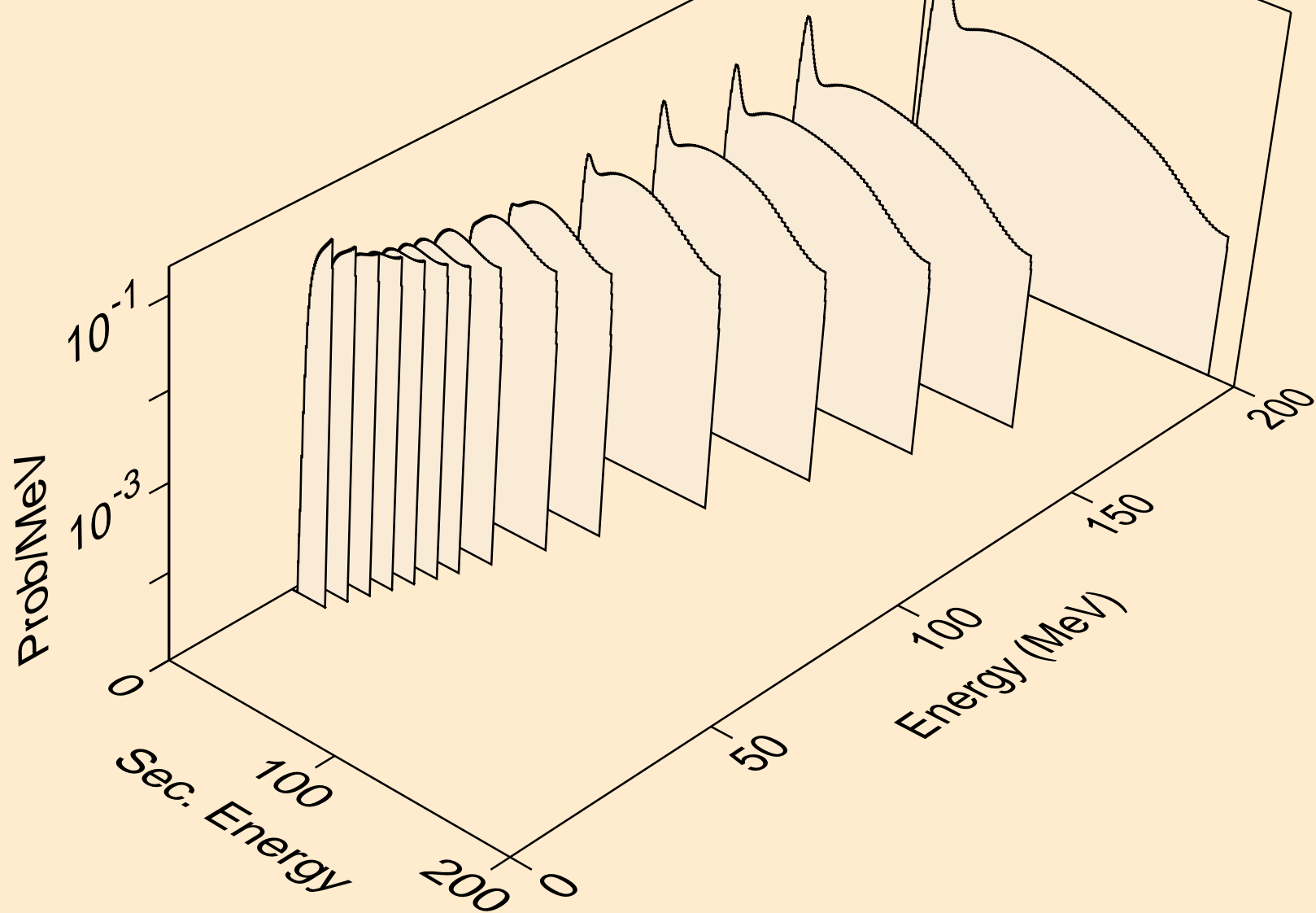
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,p)



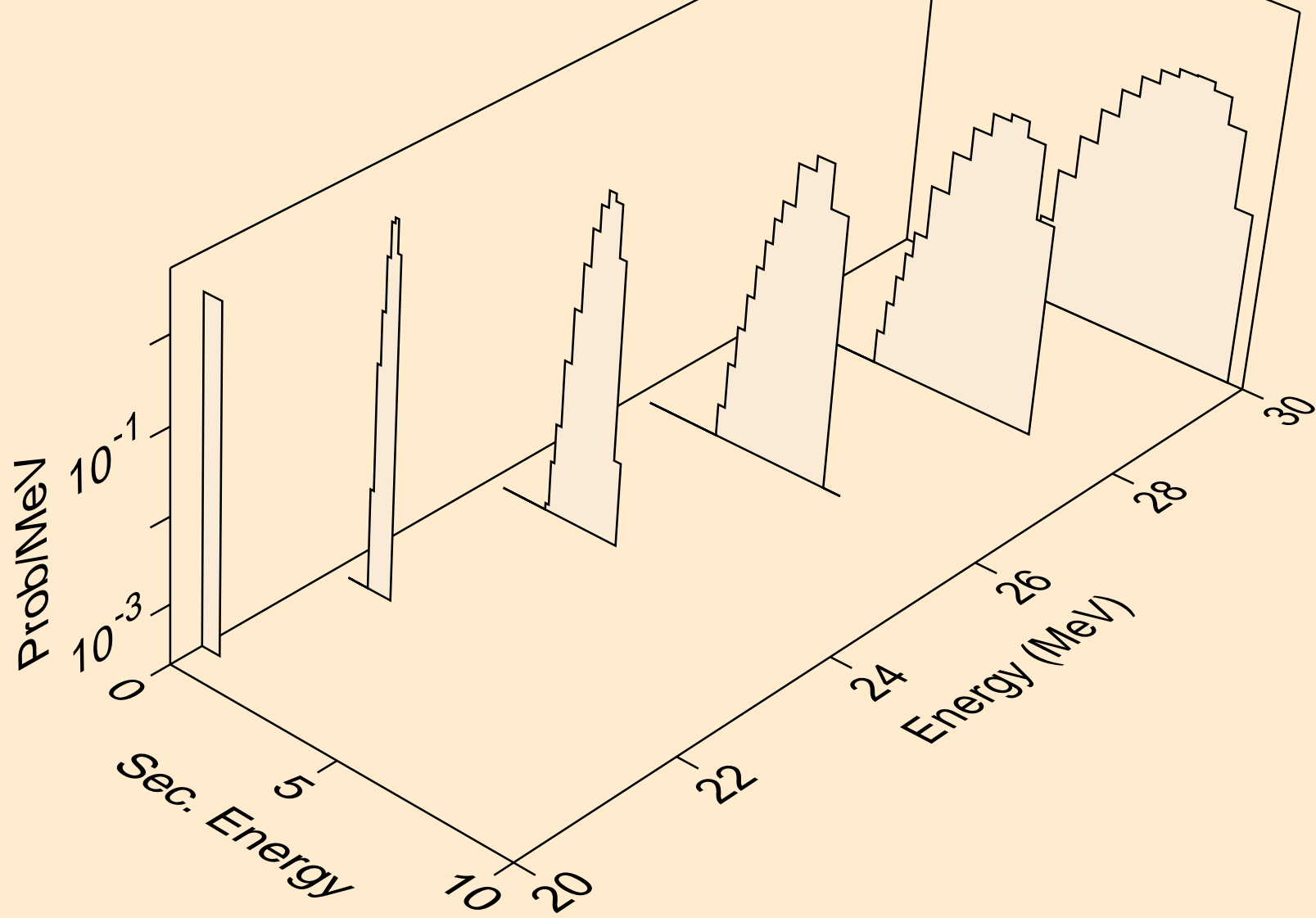
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2p)



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)

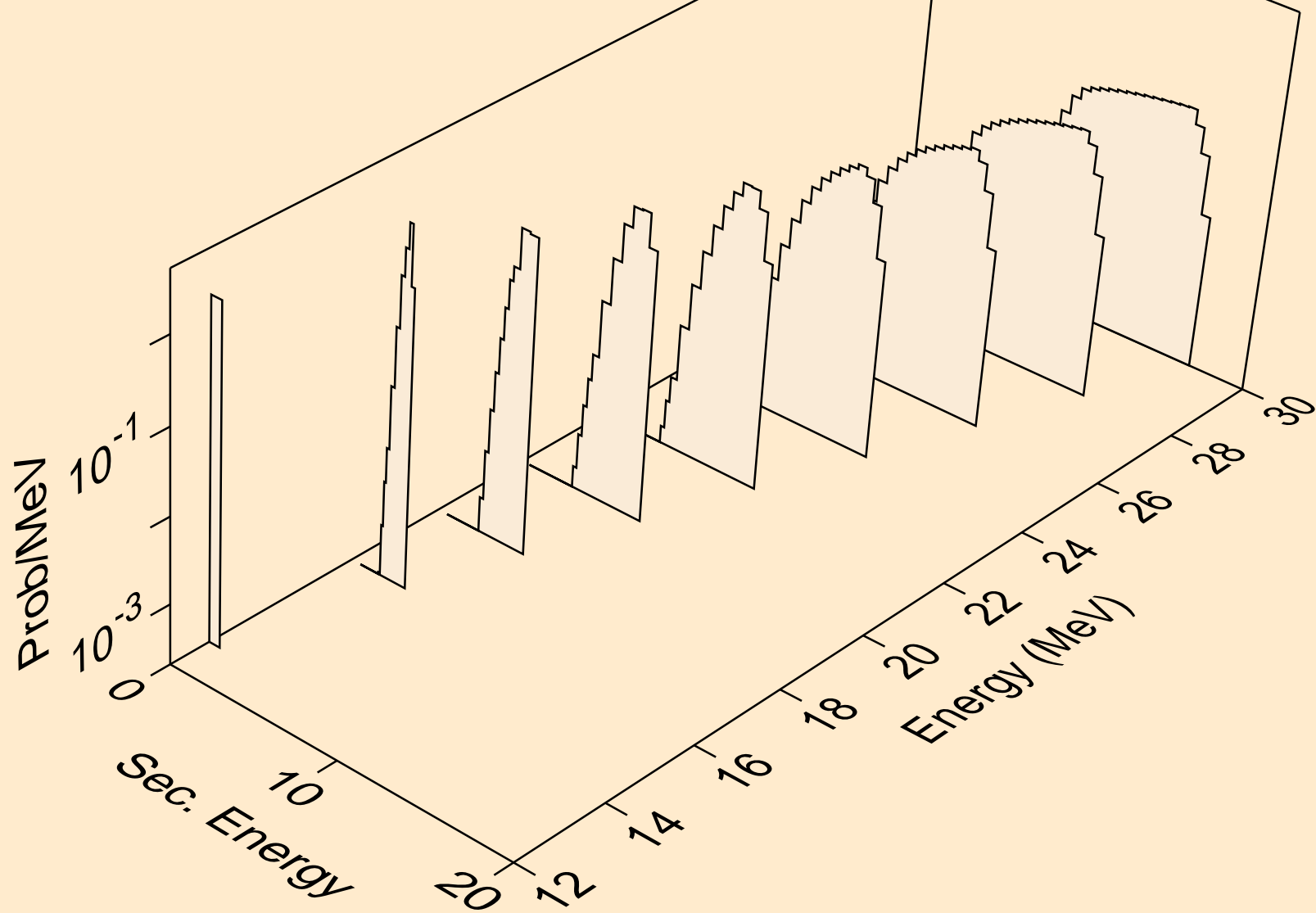


AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)

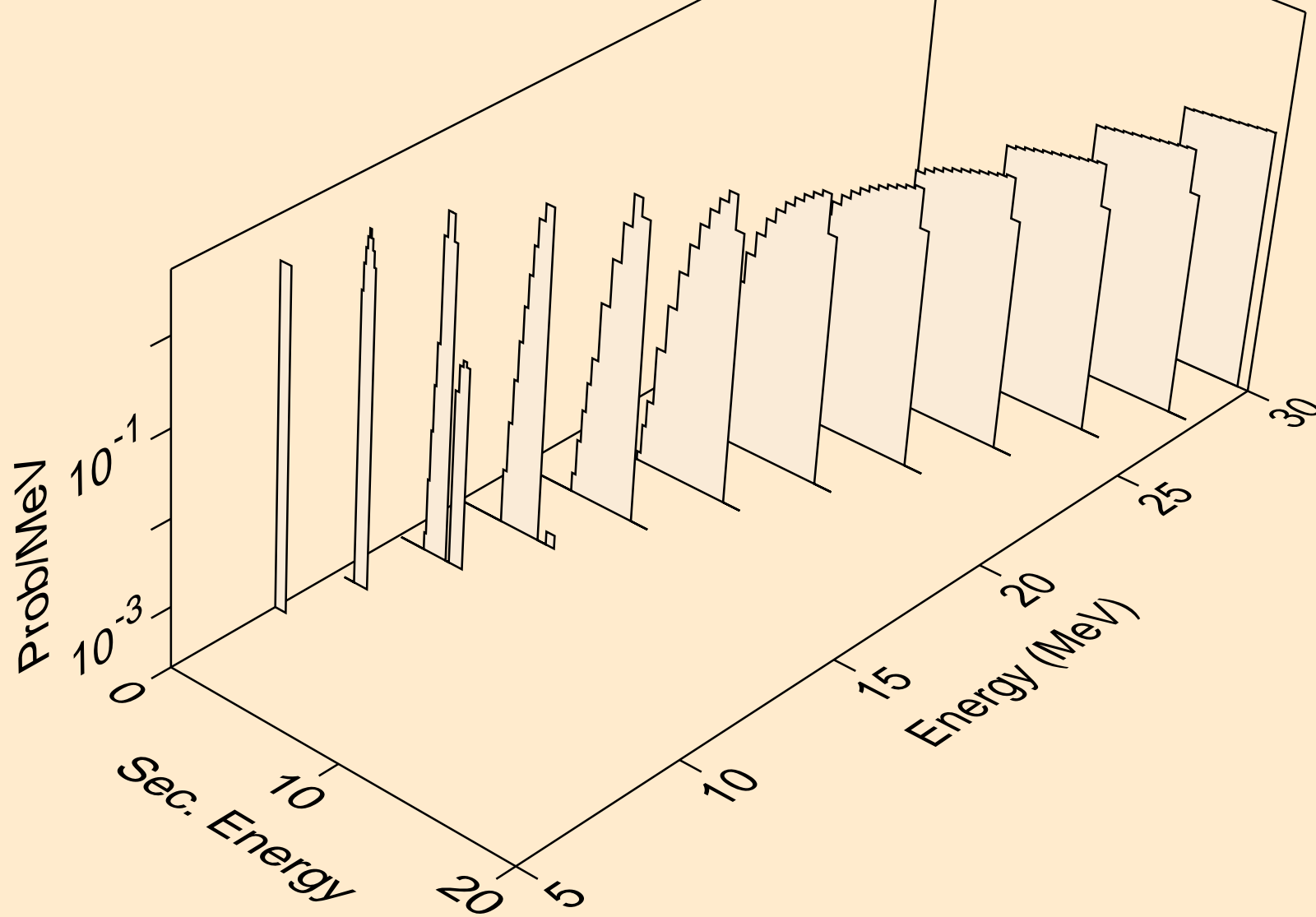




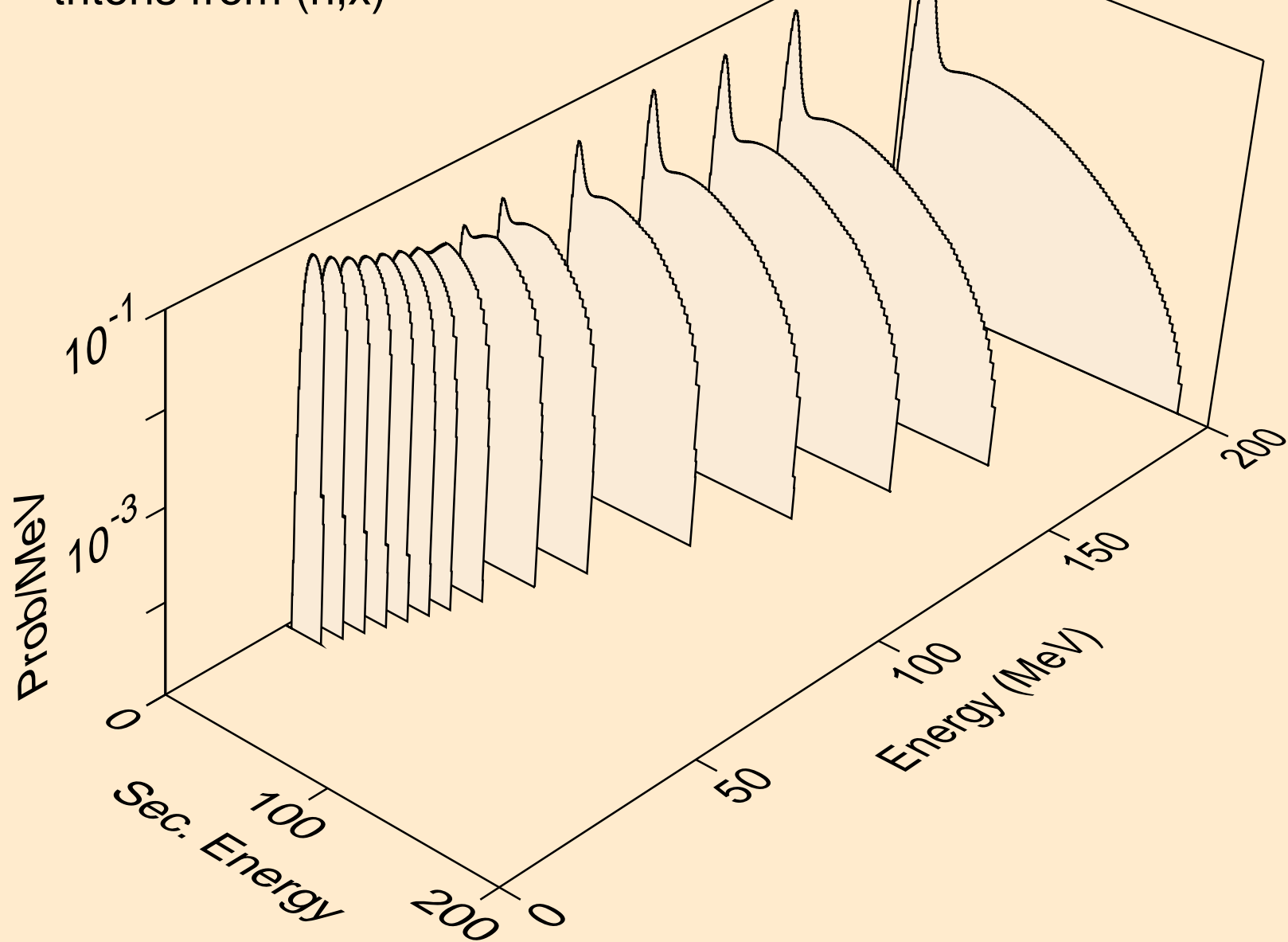
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d



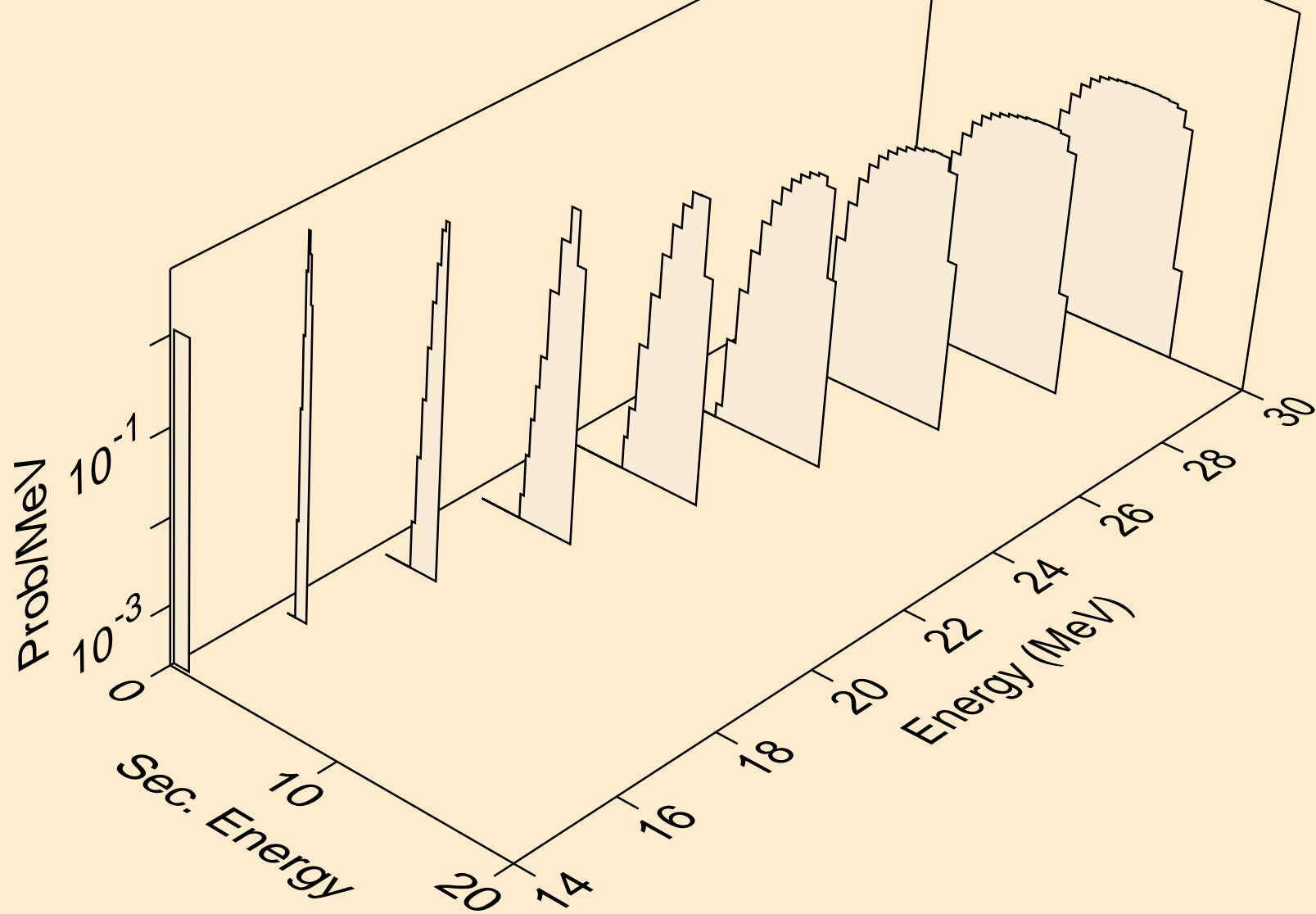
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,d)



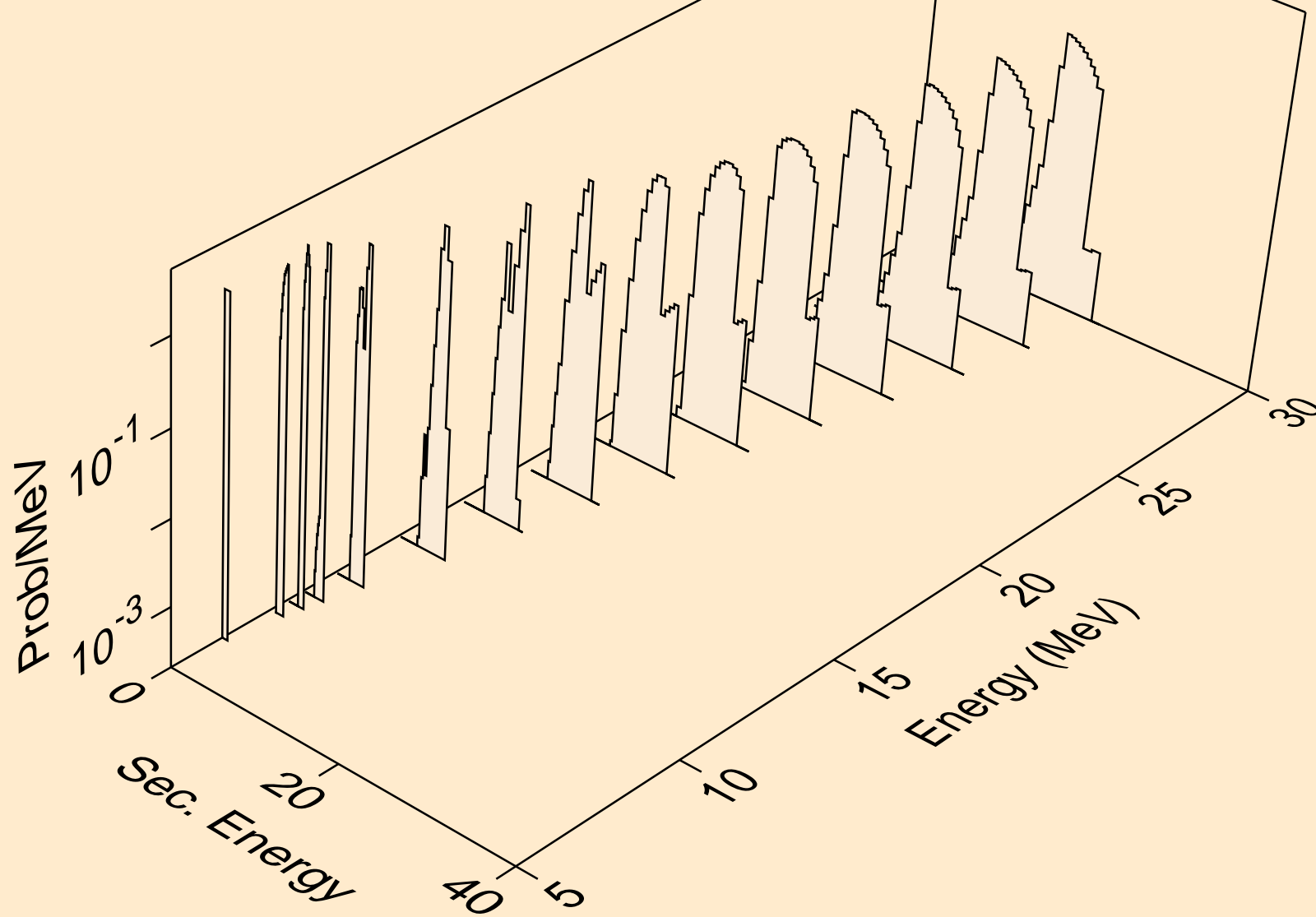
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



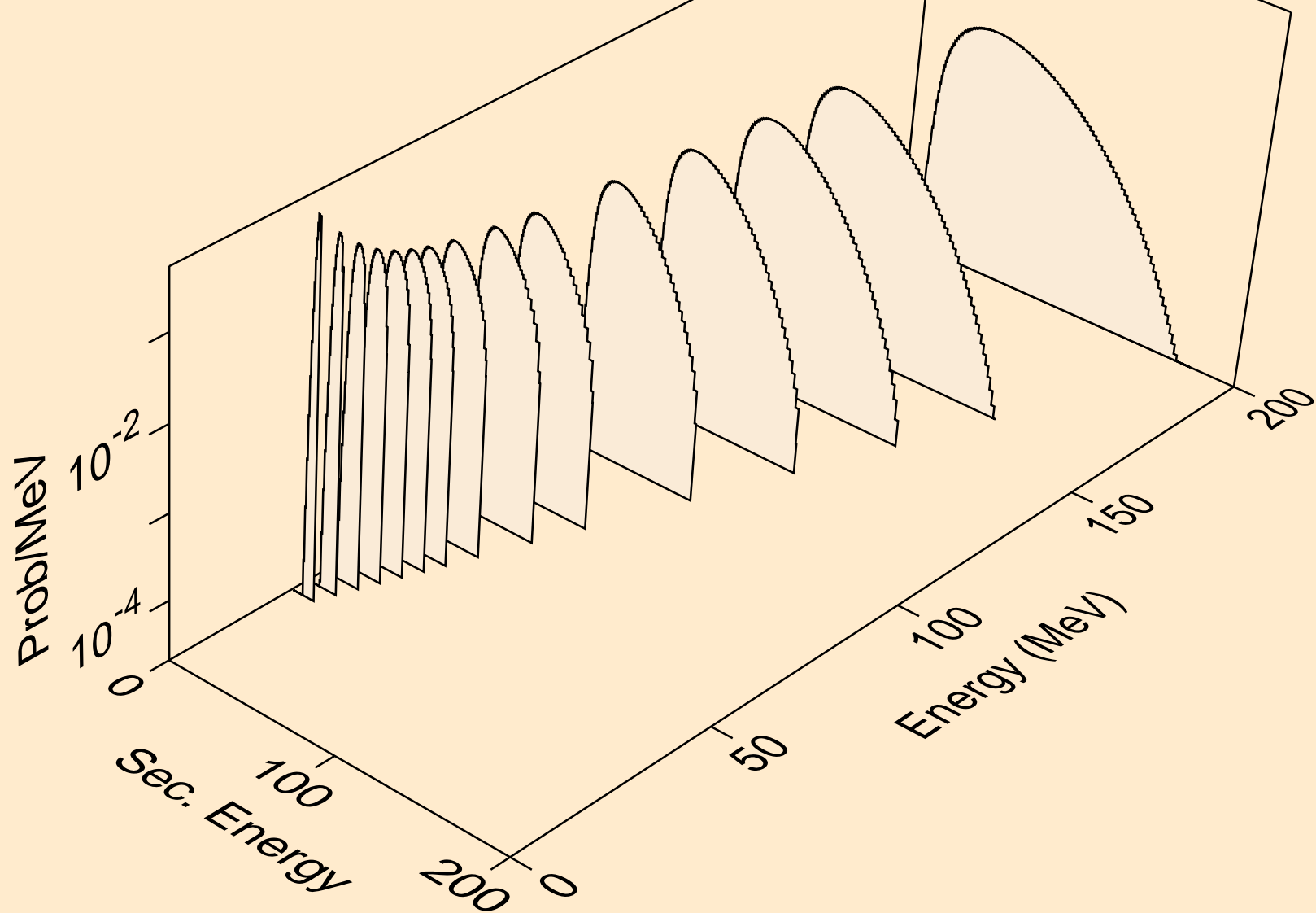
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



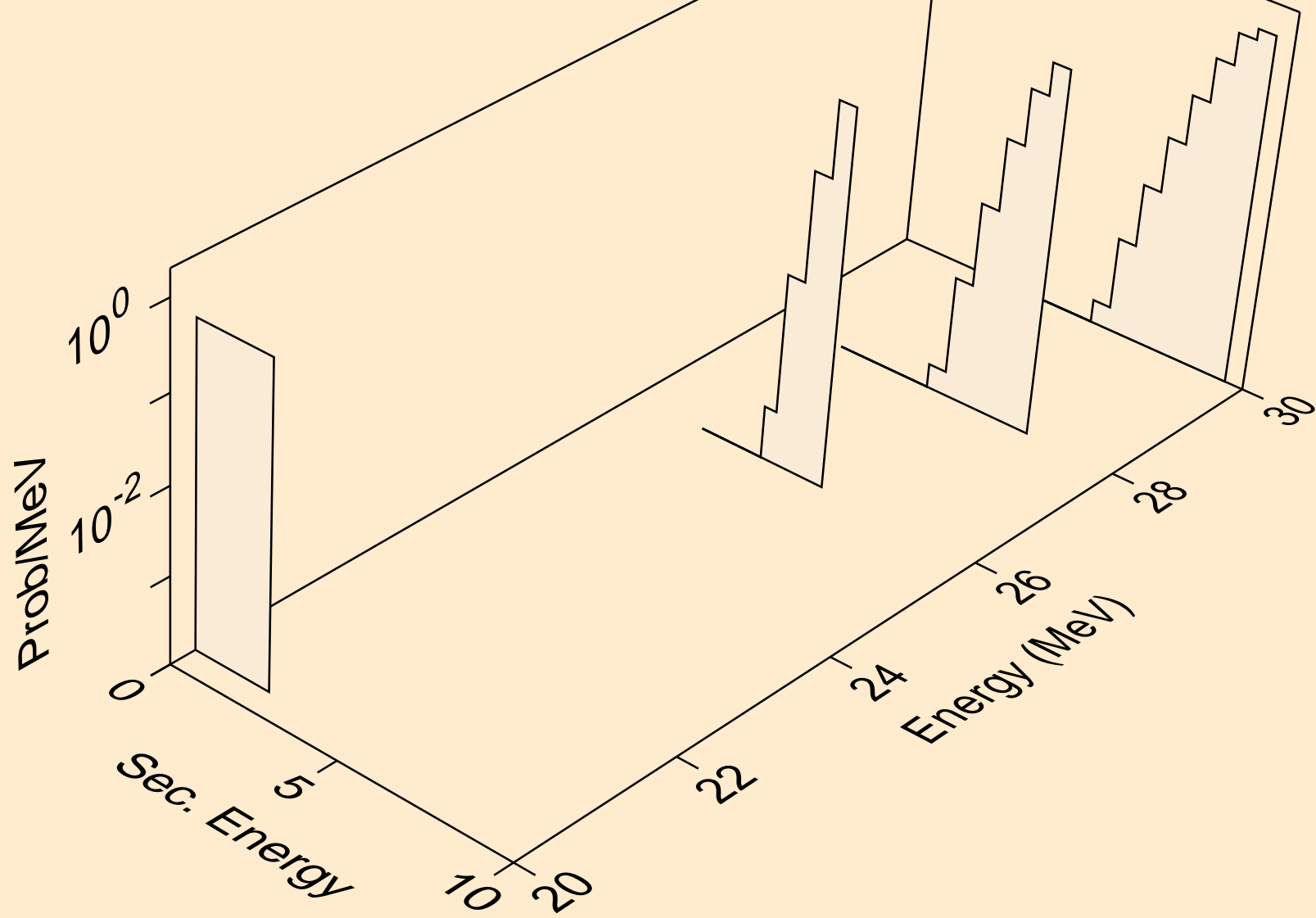
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



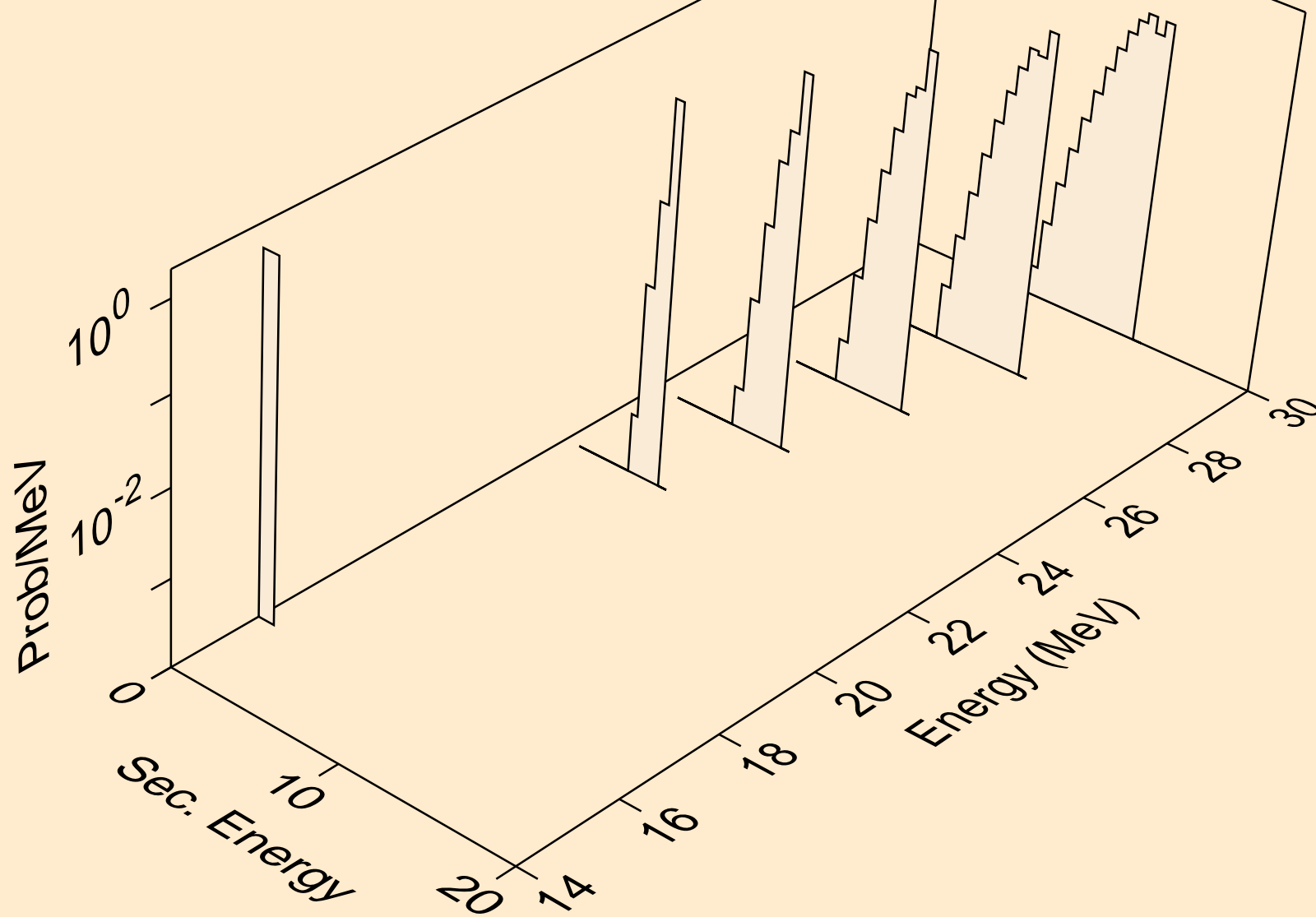
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,n\*)he3

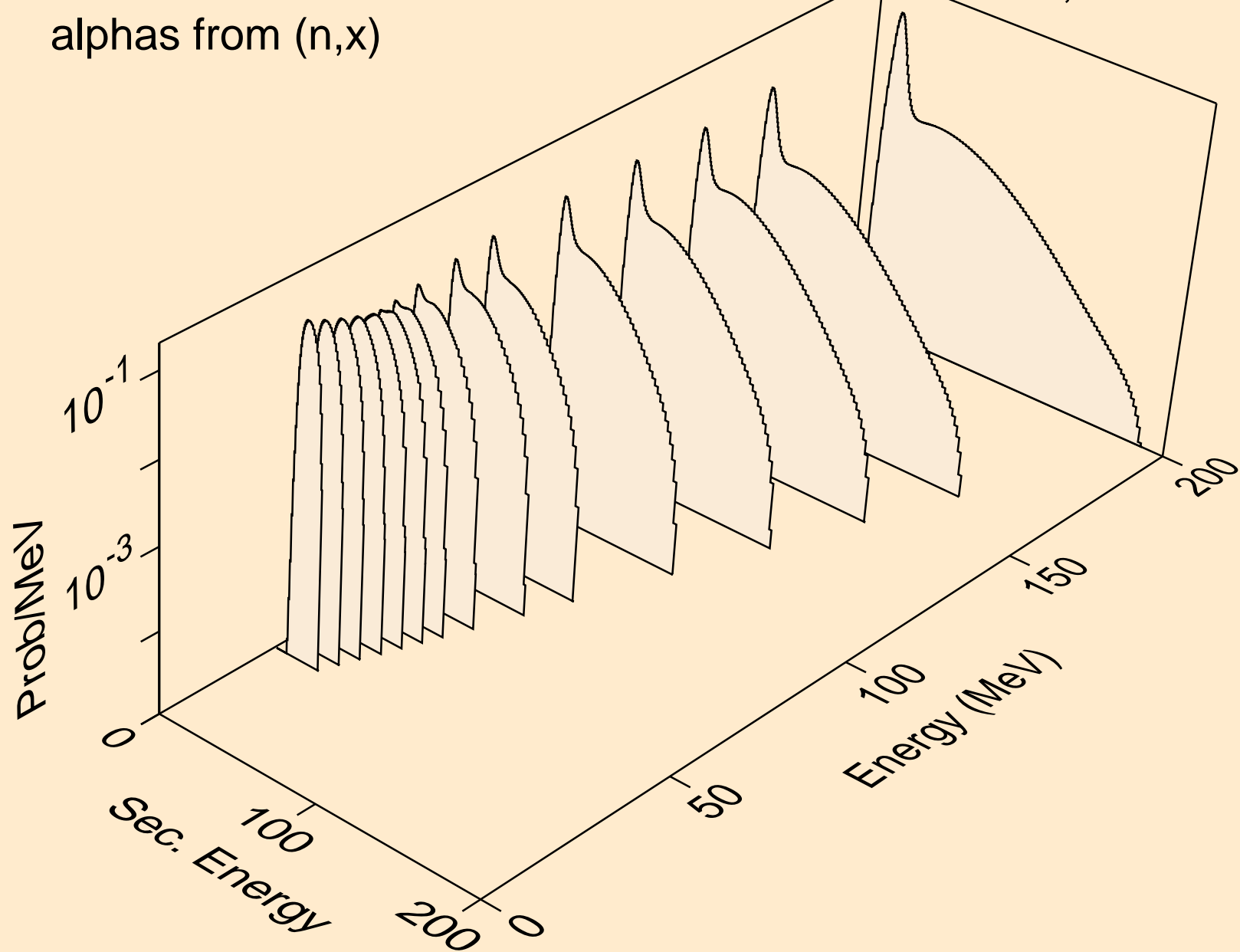


AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,he3)

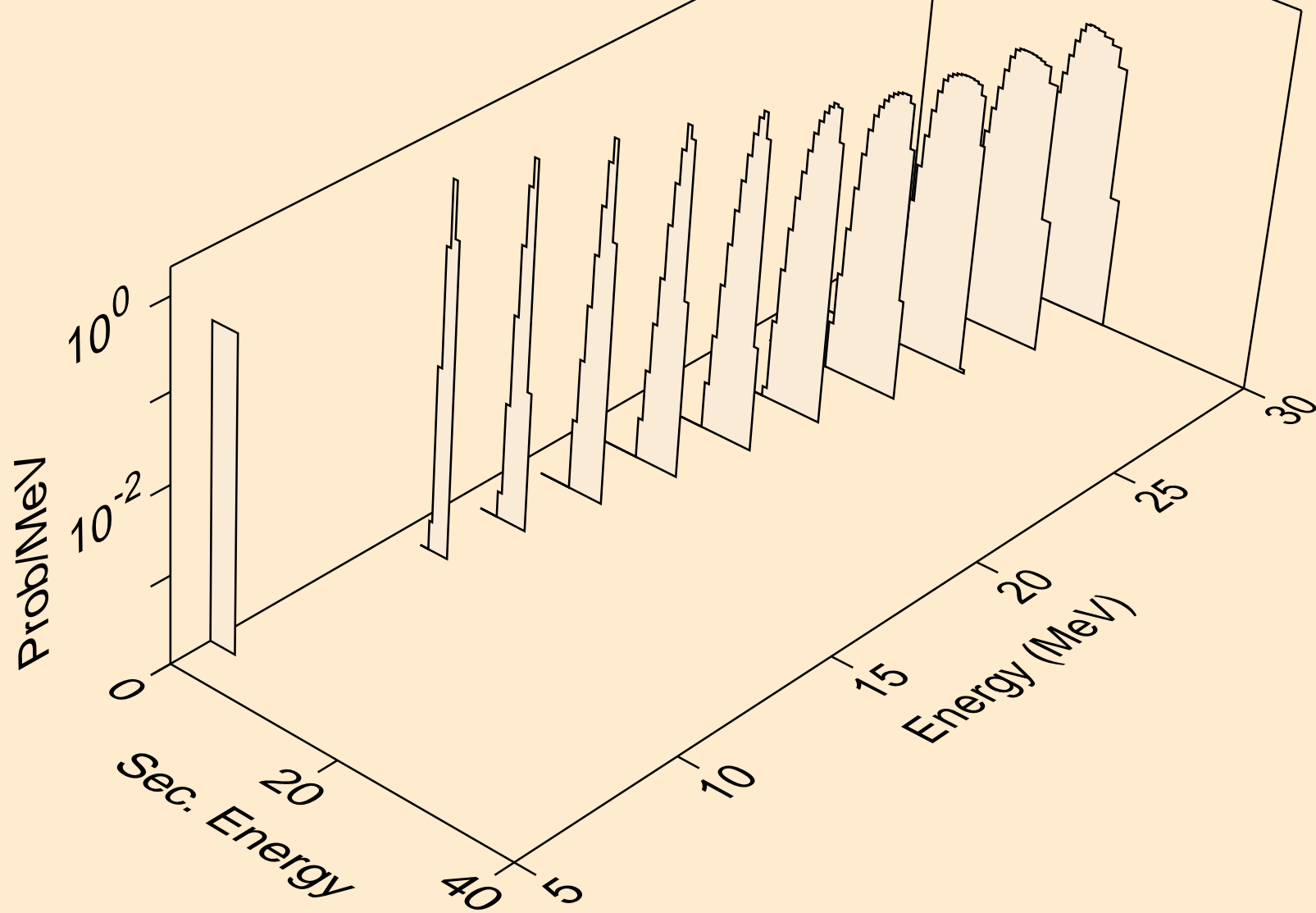




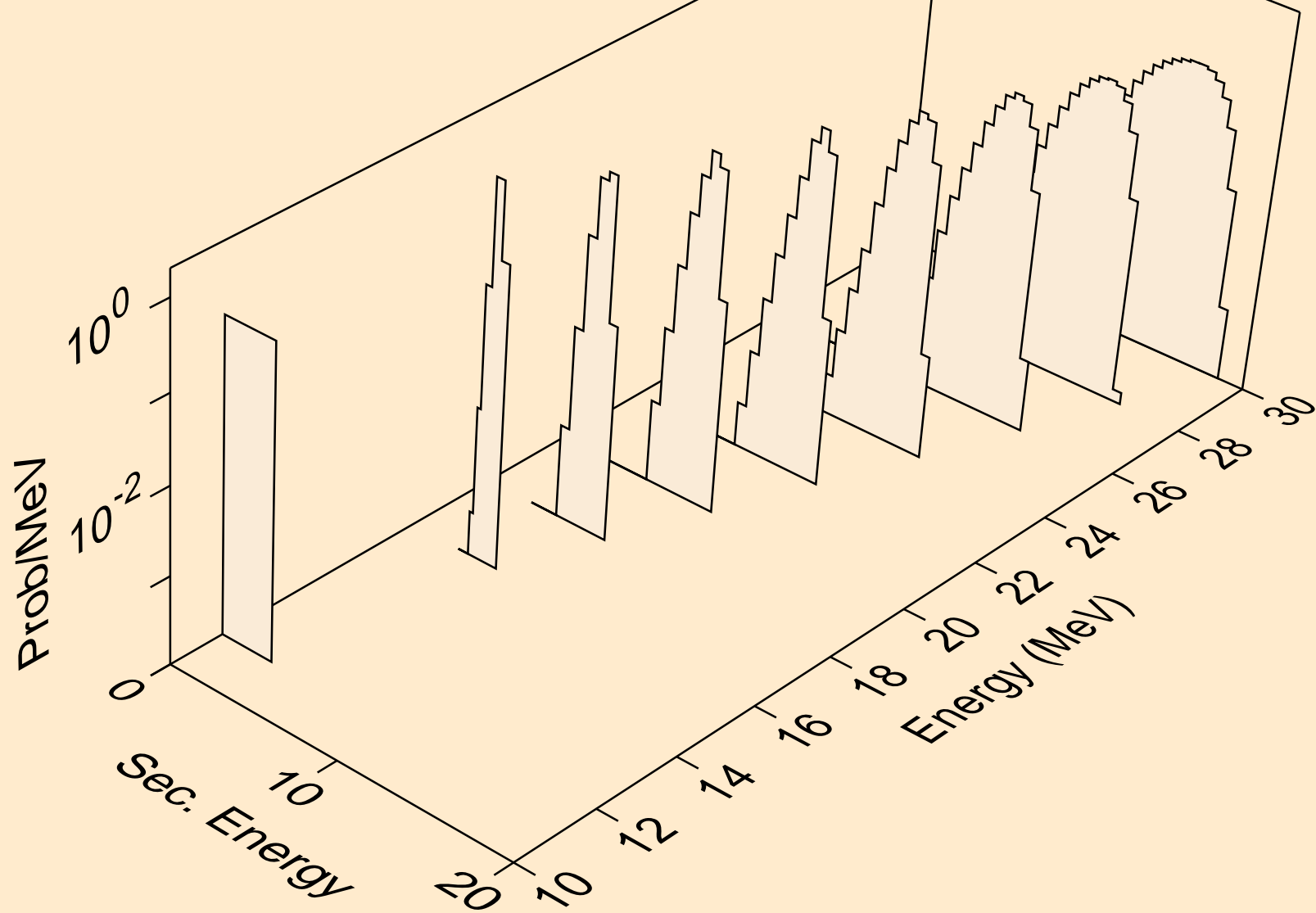
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



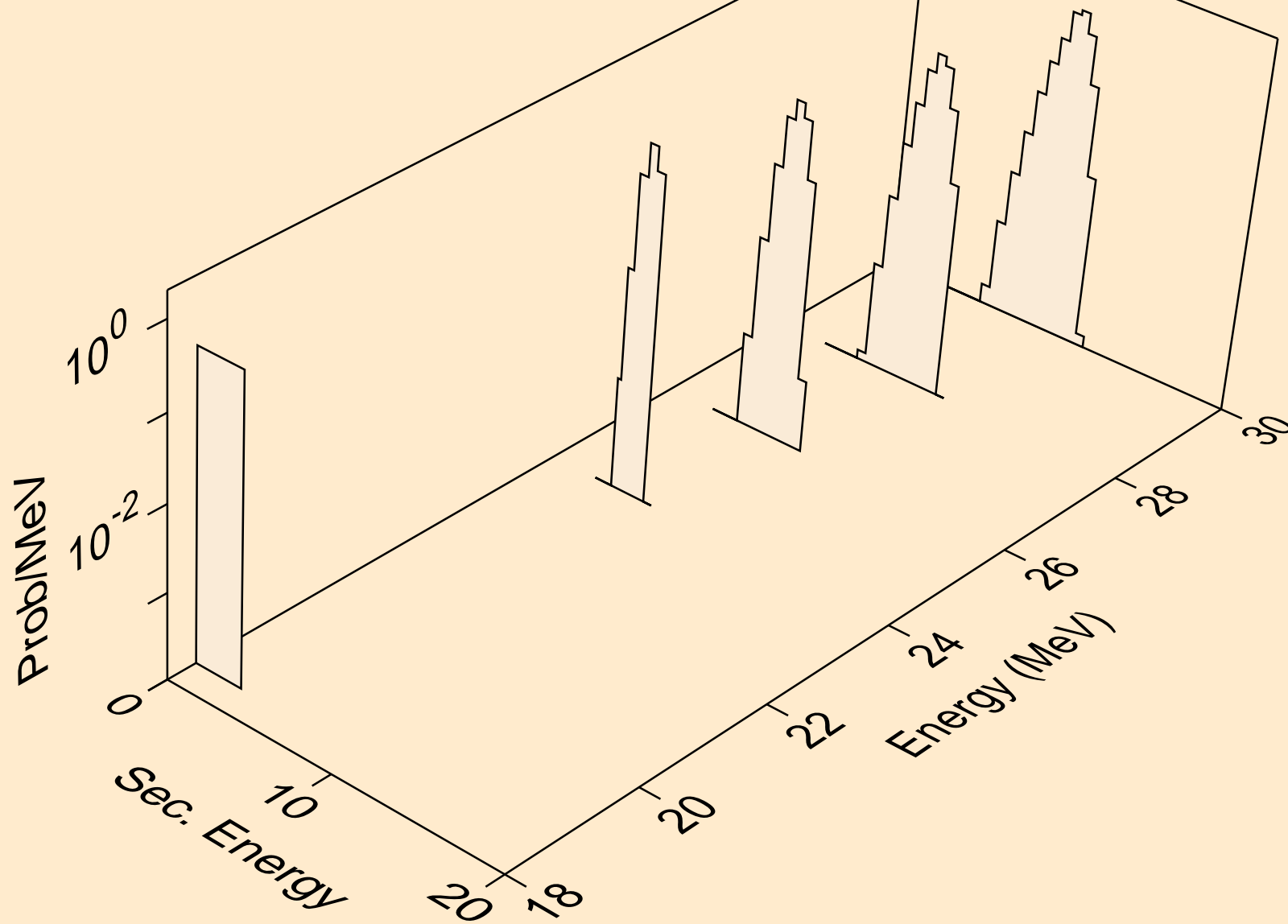
AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



AG118M NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)

